



产品编号：[345661903](#)

Product Description：2.54mm Pitch, MX123 Female Receptacle Housing, Keying Option G, Wire Dress Option 9, 80 Circuits, Blue TPA

系列号：34566

状态：Active

Product Category：Connector Housings



文件和资源

图纸

[图纸 345661903_sd.pdf](#)

3D 模型和设计文件

[3D模型 345661903_stp.zip](#)

规格

[应用规格 345660001-AS-CH-000.pdf](#)

[产品规格 PS-34566-0000-001.pdf](#)

[测试摘要 TS-34566-002-001.pdf](#)

[测试摘要 TS-34566-1546-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2022)9120-DC (17 Jan 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[多部分行业合规性文件](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Connector Housings
系列	34566
说明	2.54mm Pitch, MX123 Female Receptacle Housing, Keying Option G, Wire Dress Option 9, 80 Circuits, Blue TPA
应用	Automotive, Power, Wire-to-Board
个评论	See Sales Drawing for number of Open Circuits
产品系列	MX123 Sealed Connection System
产品名称	MX123
UPC	822350127790

电气

每触点最大电流	11.0A, 25.0A
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物理

电路详图	80
电路数（最多）	80
颜色-树脂	蓝色
性别	Receptacle
符合灼热丝规范	否
插接极性	是
锁定插接部位	是
材料 - 树脂	Nylon
净重	51.245/g
行数	4

包装形式	Tray
面板安装式	否
间距 - 插配接口	2.54mm
间距 - 终端界面	2.54mm
有极性的插配件	是
可堆叠的	否
运行温度范围	-40° to +125° C

进程

无铅	不适用
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可配插/可连接使用的产品

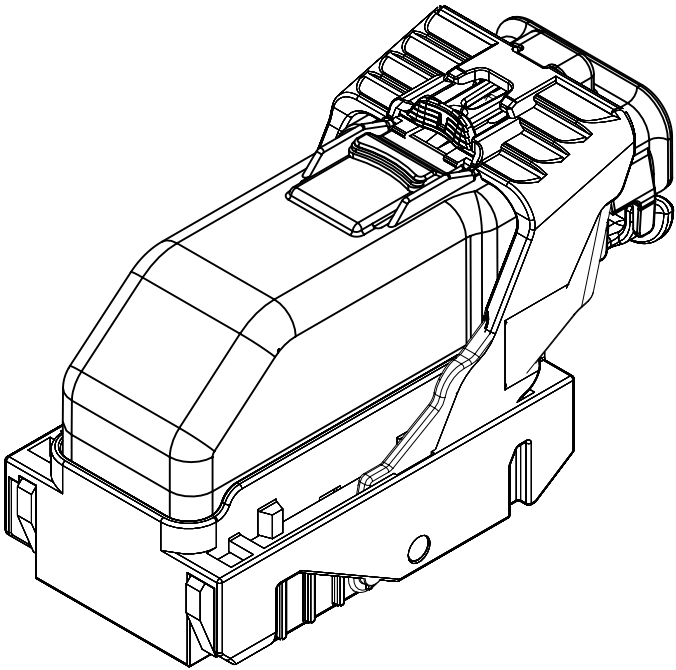
可配插部件

描述	产品编号
MX123 Shrouded Header Assemblies	<u>31386</u>
MX123 Shrouded Header Assemblies	<u>31387</u>

可连接使用部件

描述	产品编号
MX64 Female Terminals	<u>33467</u>
MX64 Female Terminals	<u>34736</u>

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ISO VIEW

GM		UNLESS OTHERWISE SPECIFIED: THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN A RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.			DATE			
		UC CHANGE RESTRICTED NO MANUAL CHANGES DO NOT SCALE METRIC DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		REFERENCE 12H (MOLEX AUTOMOTIVE)	DRAFTER J SZYMKOWSKI	22DE05		
APVD1 D PFAFFINGER	22DE05							
APVD2 B BURT	22DE05							
APVD3								
		APVD4						
		APVD5						
		DRAWING NAME HARNESS CONN ASM 66/73/80 CKTS						
		DRAWING NUMBER 12642695		DWG STATUS			PAGE NUMBER 1 OF 21	
				ST	REV	PD1		
				R	002			

PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PD1					
	19DE11	R	001			RELEASED TO PRODUCTION AT DLS A	CRM RJ B	SC	MRO	GF
3	08MY15	R	002	A		REORDERED PART BLOCK AND ADDED MASS CORRECTED P/N TYPO FROM 12562676 TO 12582676				
3, 5		R	002	B		ADDED 12659312, 12659313, 12653574 AND 12653575				
6		R	002	C		REMOVED NOTE 1 . D . 3 . C				
20		R	002	D		DIM 125 WAS 3.25 DIM 131 WAS 5.5	CRM RJ D	DFK	MRO	GF

PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PD1					

(002B)

HIERARCHY /QUANTITY	DWG ITM	DWG RLTN SHIP	PART NUMBER	P-A ITM	D L S	ST	REV	P D I	N M C I	MASS (KG)	PART NAME	NOTES
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PARTS SHOWN ON DRAWING

	PAGE TITLE	DRAWING NUMBER	DWG STATUS			PAGE NUMBER			
	PART BLOCK		12642695	ST	REV	PDI	3	OF	21
			R	002					

KEY PRODUCT CHARACTERISTICS
(IN ACCORDANCE WITH QN 1805 OR ON 1050)

 SAFETY/COMPLIANCE  FIT/FUNCTION			TOTAL ON DRAWING	5
			LAST NO. USED	5
NO	TYPE	DESCRIPTION	RATIONALE	PAGE/ZONE
1	F/F	32.68	IMPROVE CONNECTOR SYSTEM MATING	15
2	F/F	29.00	INSURE PROPER RELEASE OF LEVER	15
3	F/F	15.25	INSURE FINAL MATE POSITION	16
5	F/F	POSITIONAL TOLERANCE (2 PLACES)	INSURE CONNECTOR SYSTEM MATEABILITY	19

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:

1. 30% G.F. PBT; 20% MAX. (BY WEIGHT) REGRIND.

2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.

3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY >= 28% IACS AT 20°C; TENSILE STRENGTH >= 635 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 μm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 μm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).

3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 28% IACS AT 20°C; TENSILE STRENGTH >= 350 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 μm ELECTRODEPOSITED TIN, MATTE FINISH OVER 1.25-2.5μm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. PLATING REQUIREMENTS:

1. SILVER PLATING

α. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.

2. NICKEL PLATING

α. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.

b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.

c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.

d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURITY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.

3. TESTING

α. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).

b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- B. TOLERANCES:

1. LINEAR

0.X ± 0.30

0.XX ± 0.10

0.XXX ± 0.10

2. ANGULAR

X° ± 3°

3.

1.0

A

B

C
- C. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.
- D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- E. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.
- F-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.
- F-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.
- G. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP

1. MATERIAL #: XXXXX-XXXX

2. DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)

3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
- B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.
- C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
- D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
- E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.
- F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.
- H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.
- K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.
- L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARENCE.
- M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.

002C

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NOTES: UNLESS OTHERWISE SPECIFIED

4. SYSTEM REQUIREMENTS:

- A. HARNESS CONNECTOR IS COMPATIBLE WITH THE FOLLOWING SAE WIRE SIZE NO'S:
14, MEETING SAE J1128
18, MEETING SAE J1128, MAX O.D. OF 2.06 MM
20, MEETING SAE J1128
22, MEETING SAE J1128, MIN O.D. OF 1.47 MM
- B. CABLE TIE SPECIFICATIONS:
1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON
2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1
- C. WHEN MATED WITH COMPONENT CONNECTOR INTERFACE AND/OR DRESS COVER, HARNESS CONNECTOR SYSTEM CONFORMS TO THE FOLLOWING:
1. SAE/USCAR-2, REV: 3 APRIL, 2001; CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV. 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3, SEALING CLASS 1, VIBRATION CLASS 2
4. RESTRICTED AND REPORTABLE CHEMICALS PER GMW #3059, REV: D AUGUST 2002
5. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N
- D. WIRE SPECIFICATIONS:
1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

5. TERMINAL CURRENT RATINGS:

ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

- A. MX64 RCPT TERM
1. MX64 RCPT TERM Ag 18/20 GAGE CRIMPED TO SAE WIRE SIZE NO.18 AND MATED TO MX123 0.64MM PIN: 11.3 AMPS
2. MX64 RCPT TERM Ag 22 GAGE CRIMPED TO SAE WIRE SIZE NO.22 AND MATED TO MX123 0.64MM PIN:8.5 AMPS

WIRE	CURRENT RATING			
	23°C	85°C	105°C	125°C
18AWG	11.3A	11.3A	9.5A	6.6A
20AWG	10.0A	10.0A	8.3A	5.7A
22AWG	8.6A	8.6A	7.1A	5.0A

- B. 2.8MM RCPT TERM
1. 2.8MM RCPT TERM TIN 14 GAGE CRIMPED TO SAE WIRE SIZE NO.14 AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS

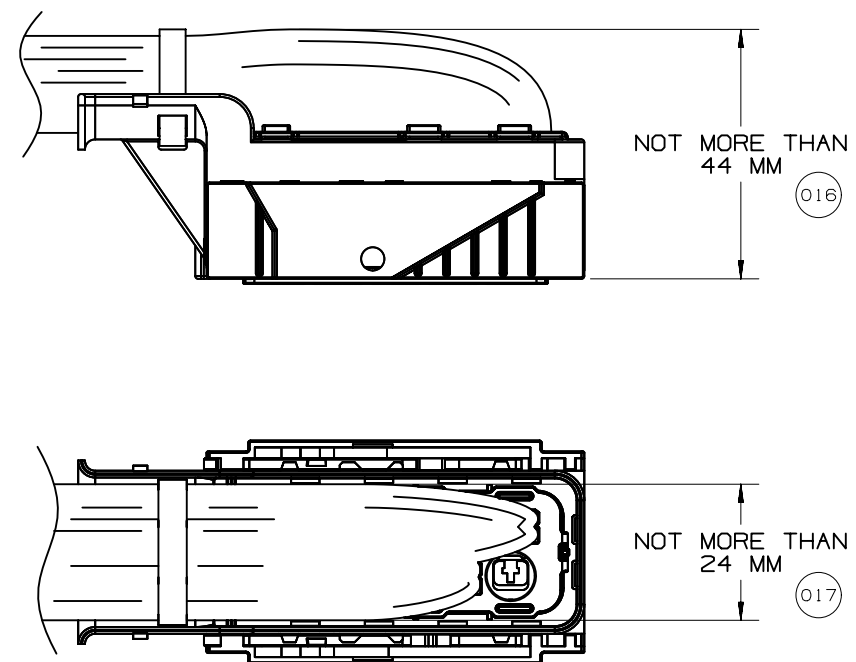
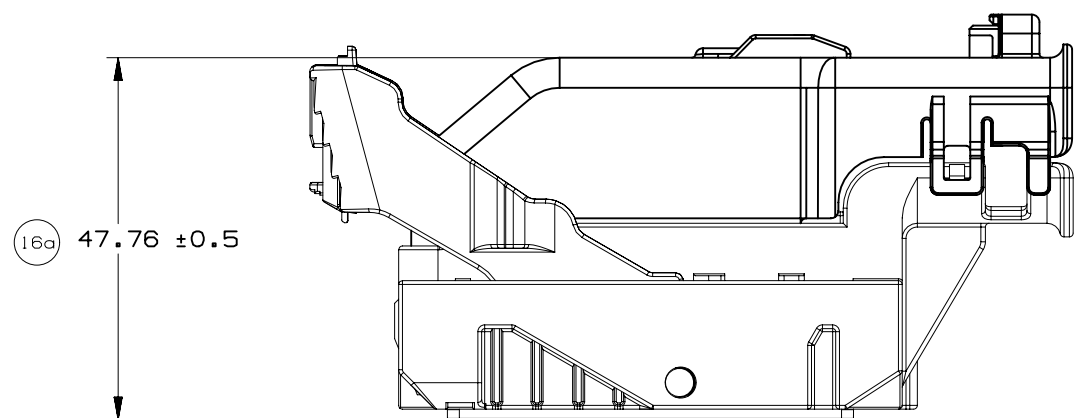
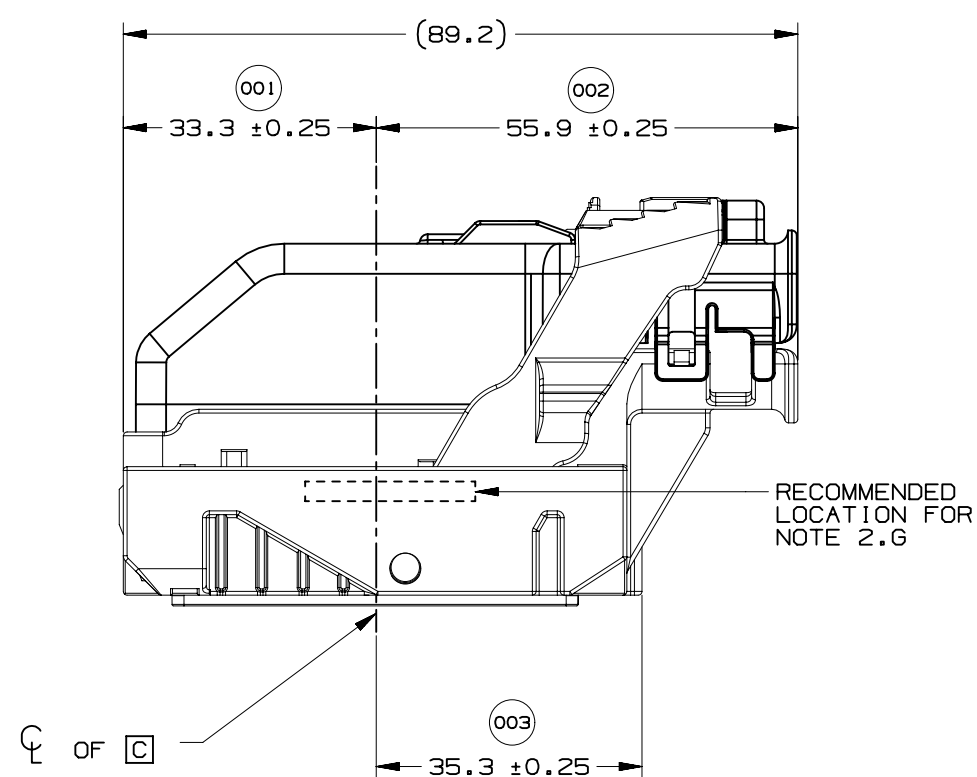
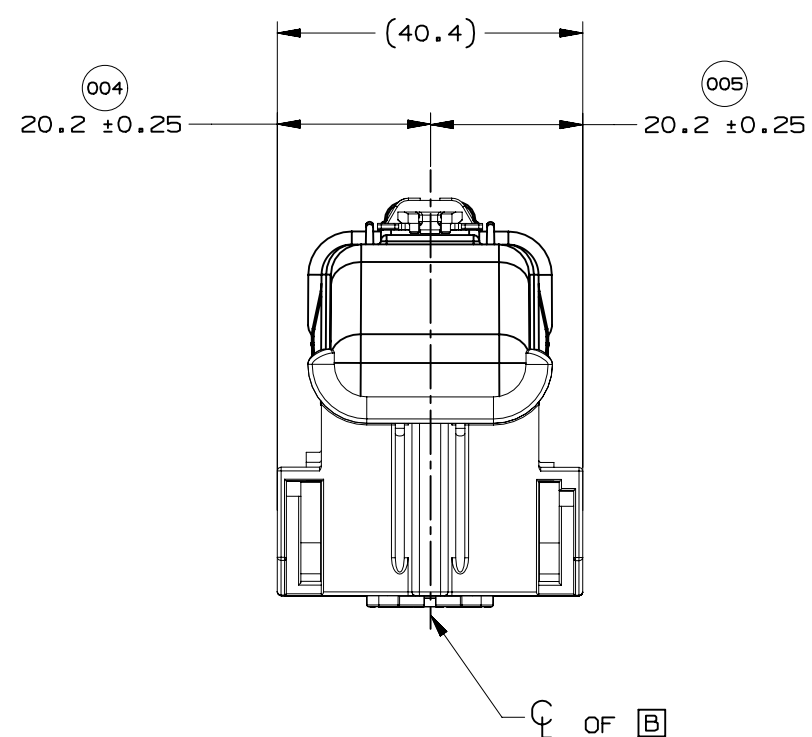


Fig. 1

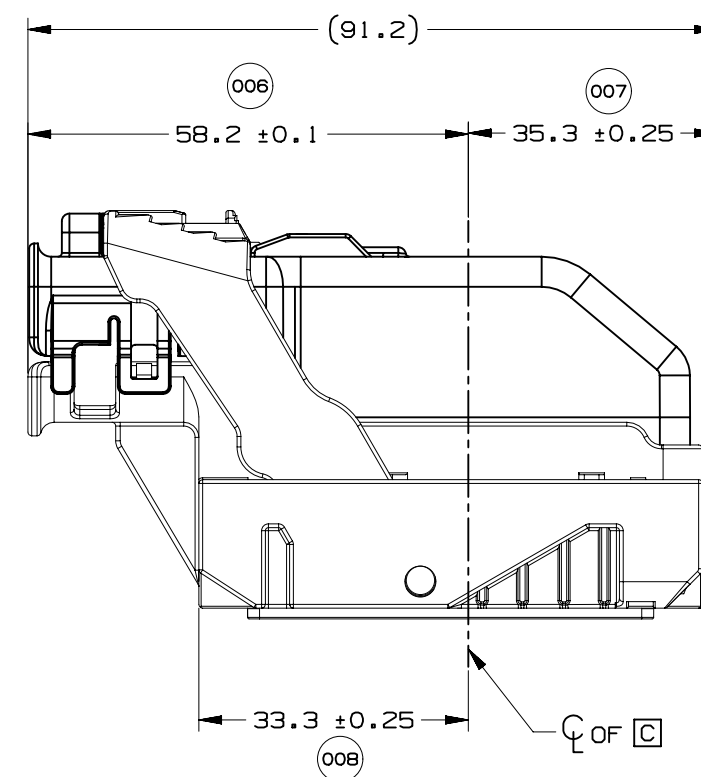




WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN

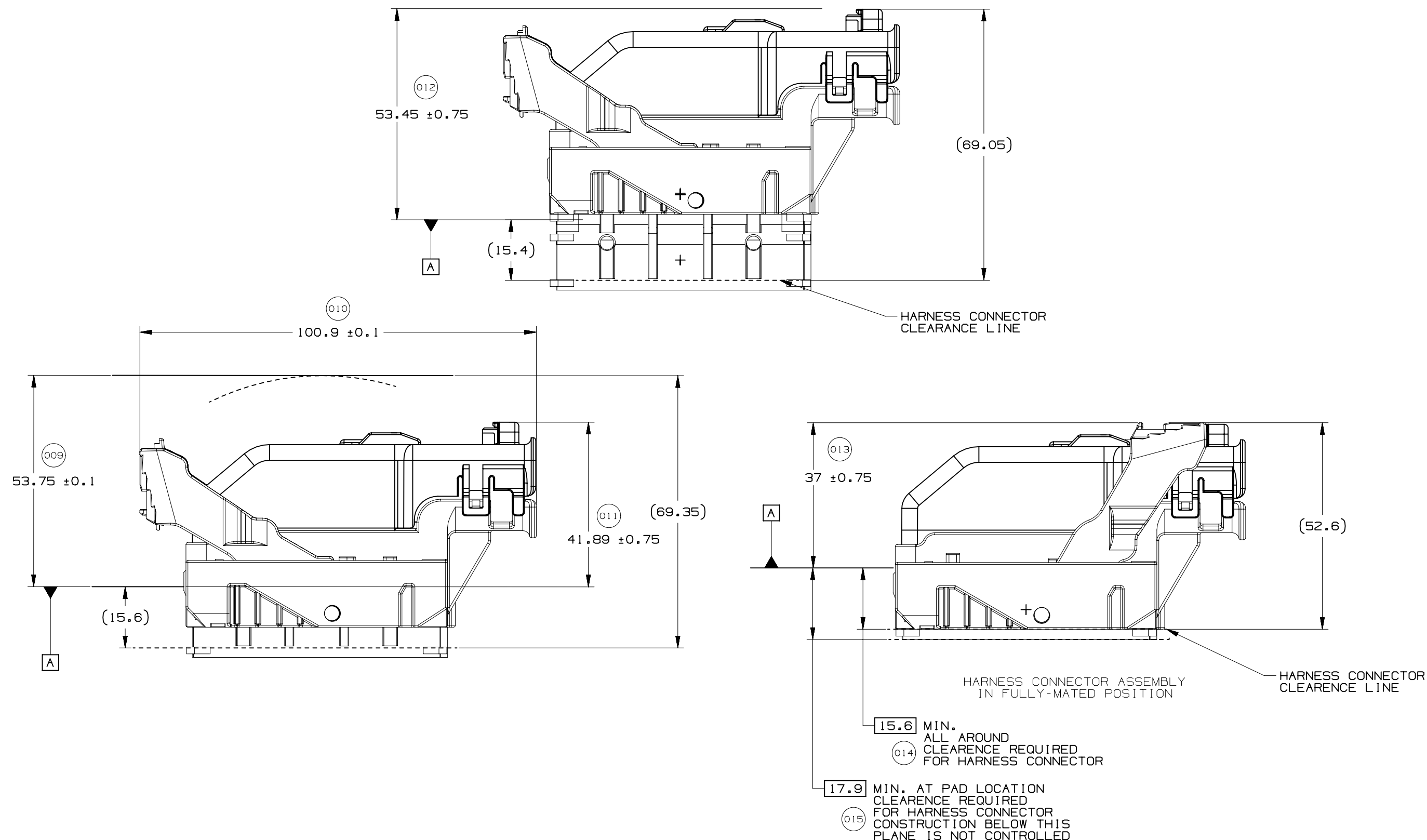


PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUMS B & C

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PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUM A

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12642695

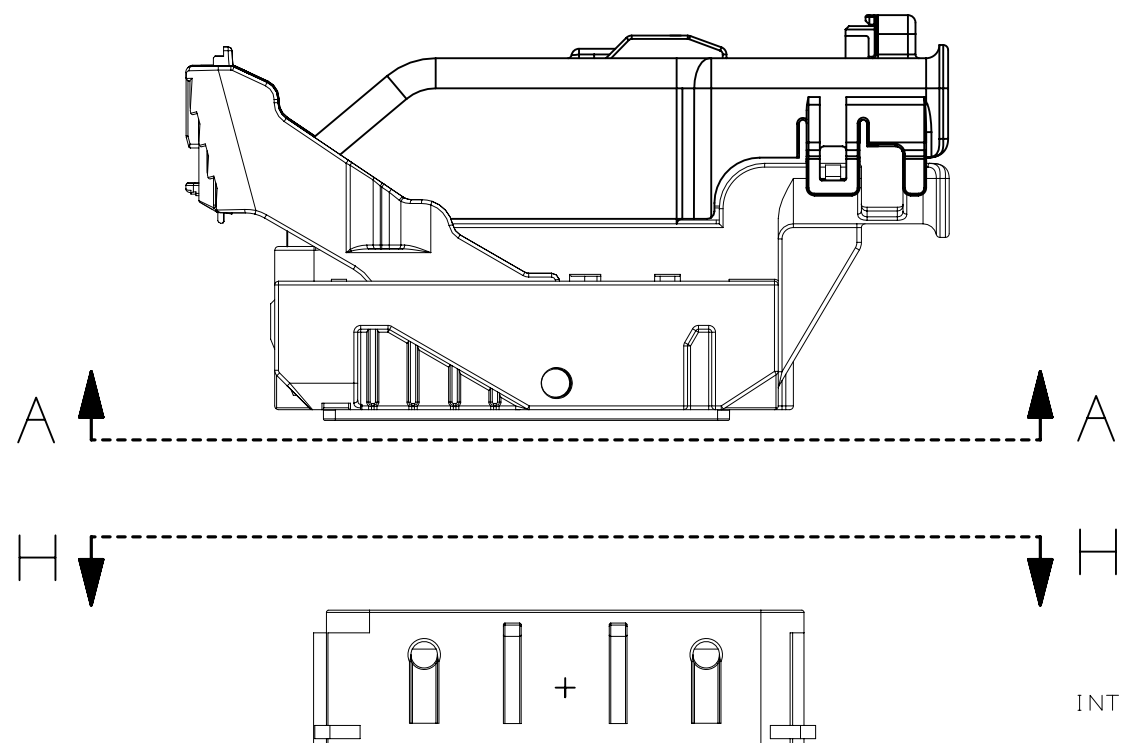
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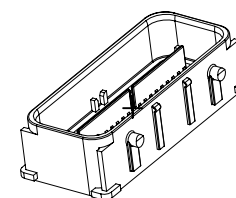
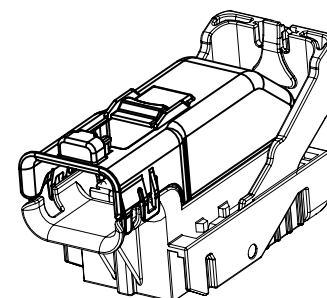
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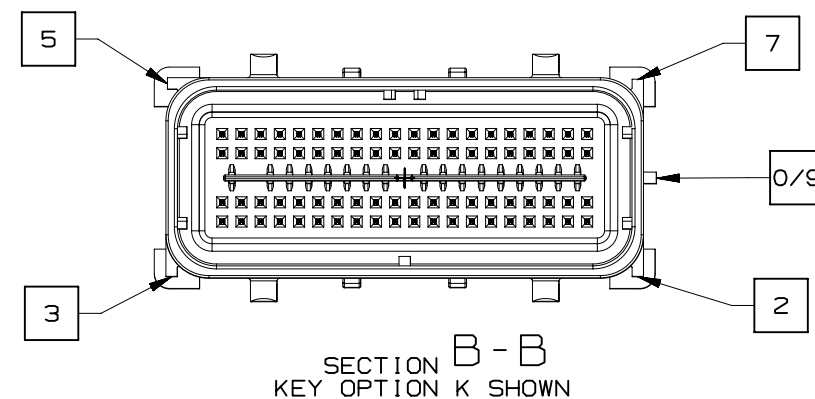
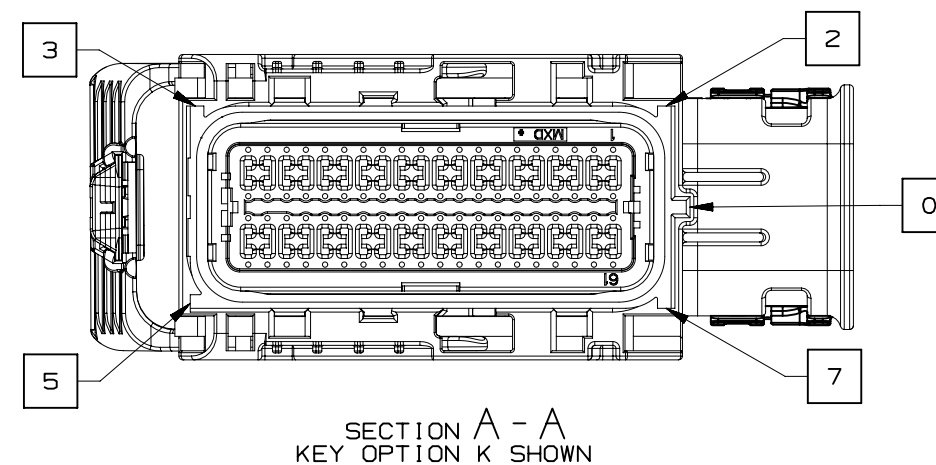
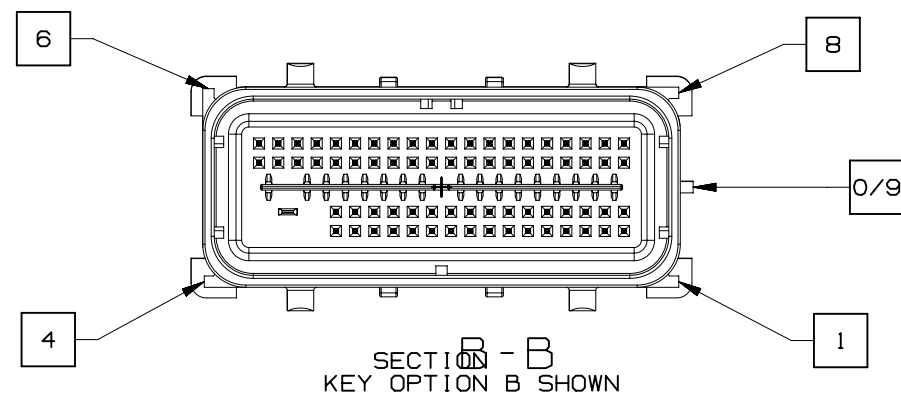
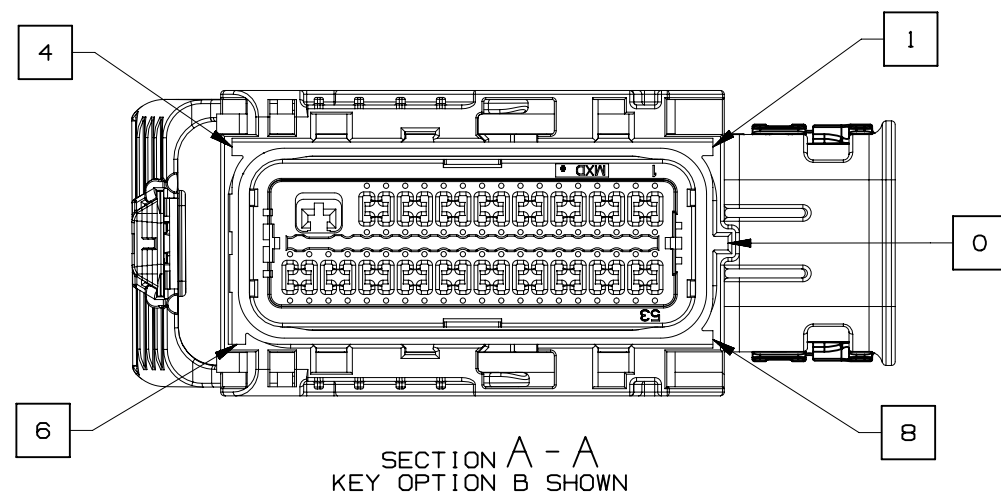
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INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

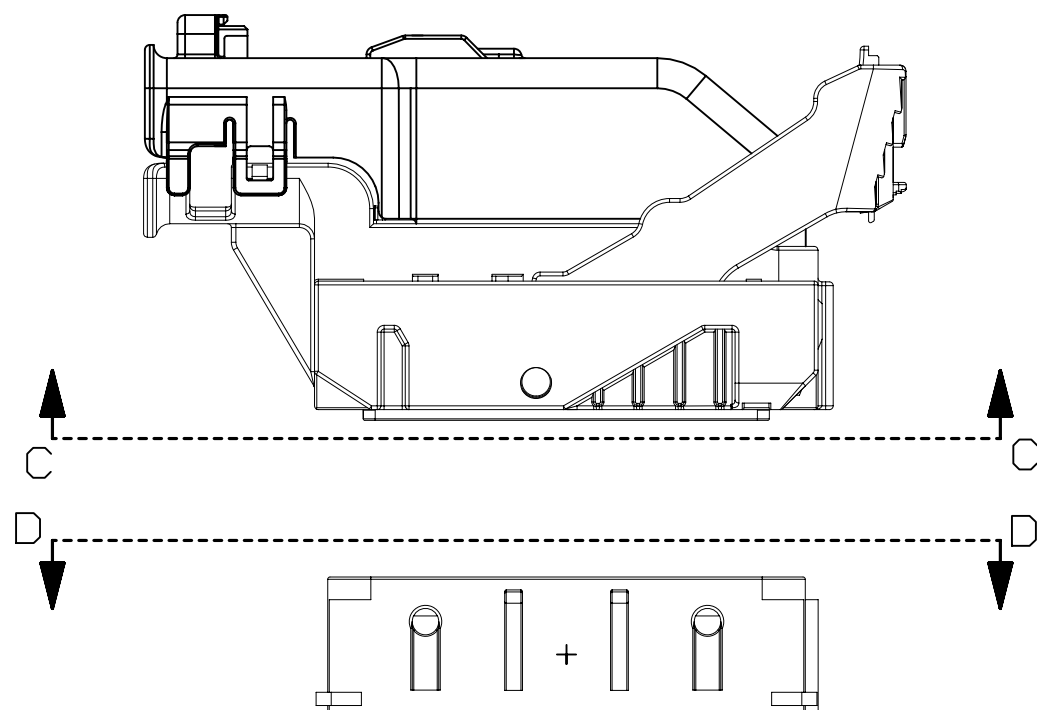


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KEY ID REF - WIRE DRESS OPTION 0

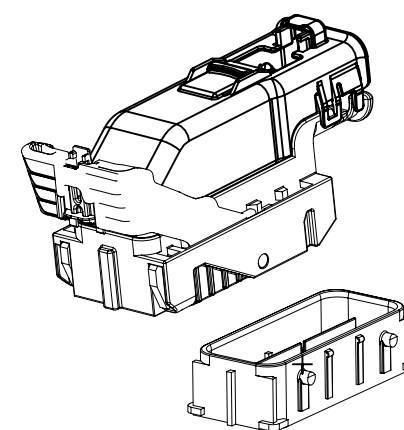
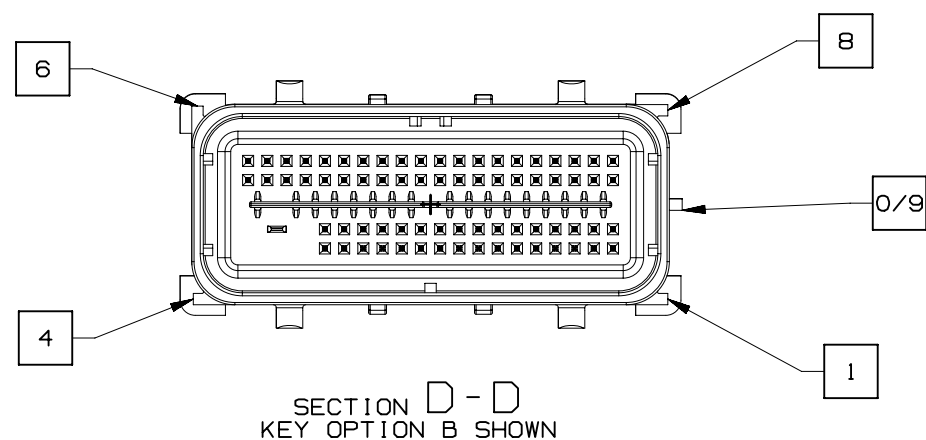
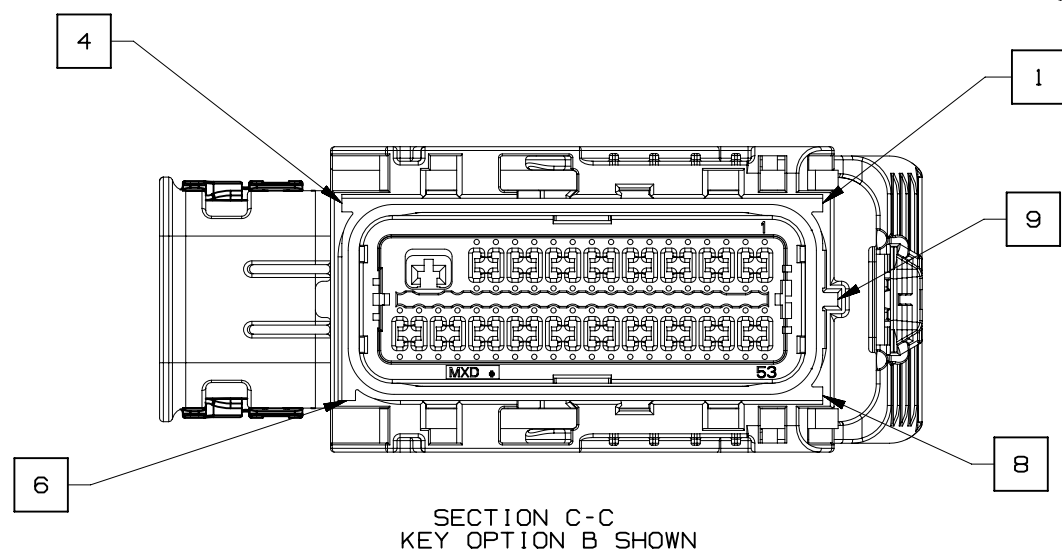
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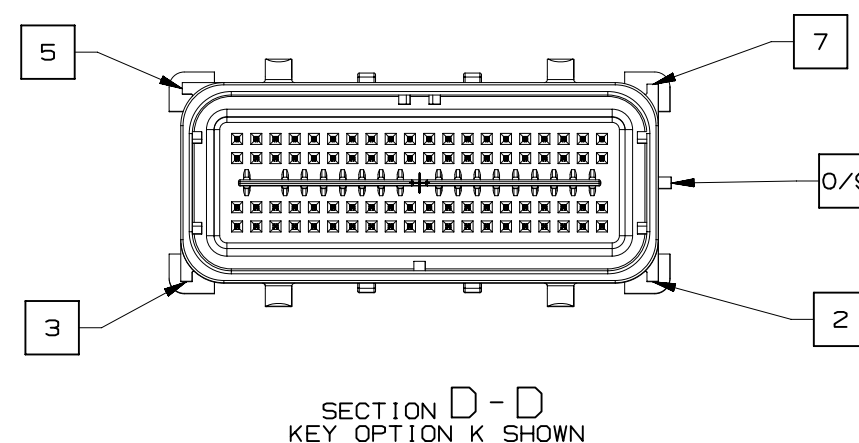
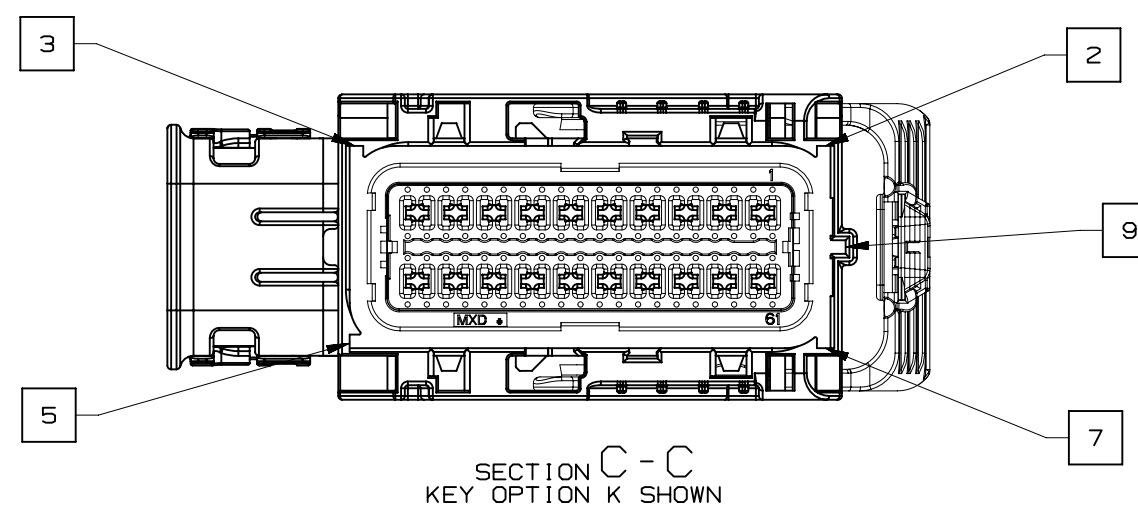


INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

VIEW V

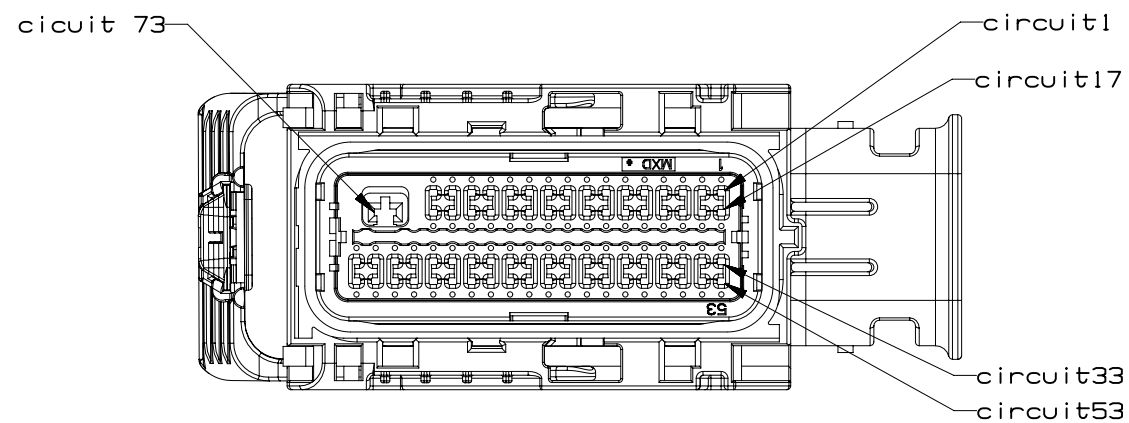


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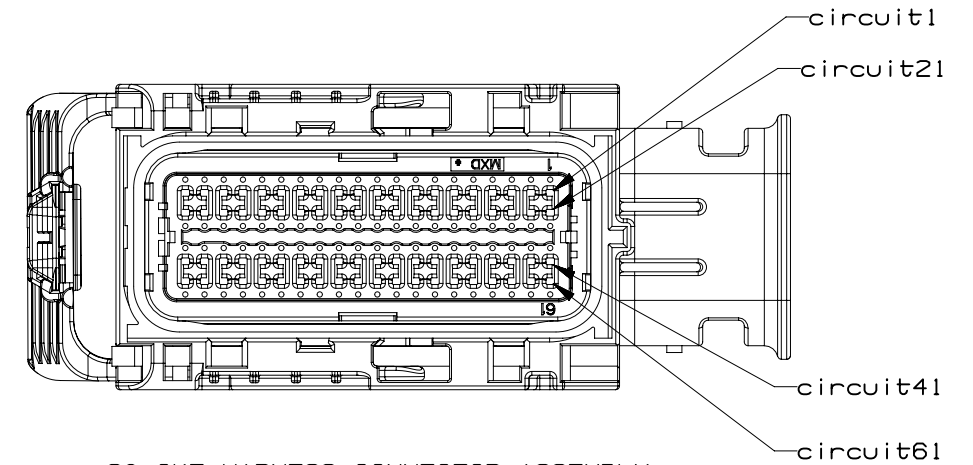
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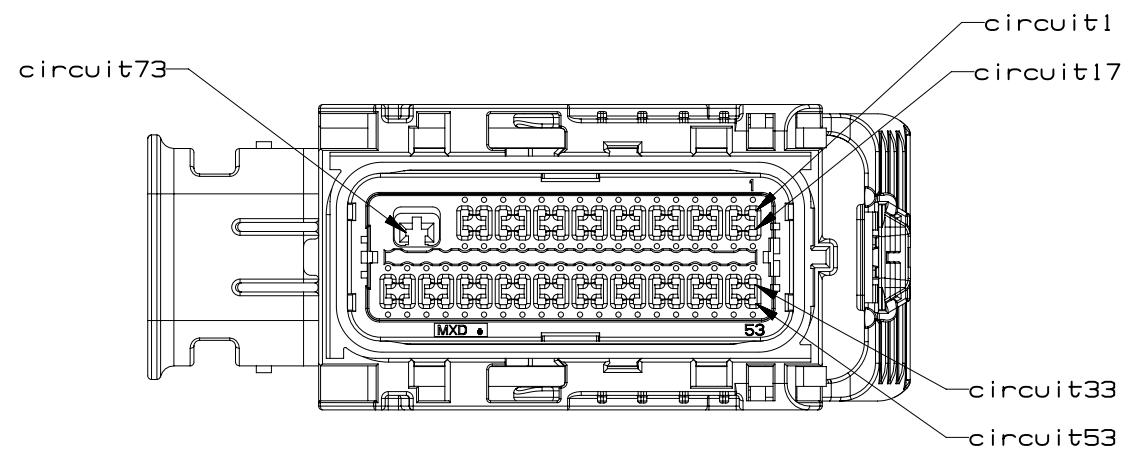


73 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

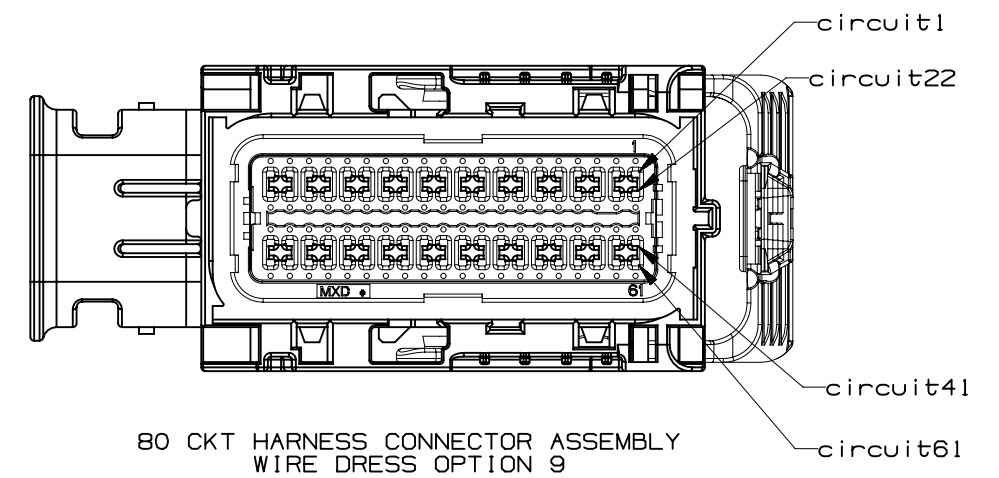


80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

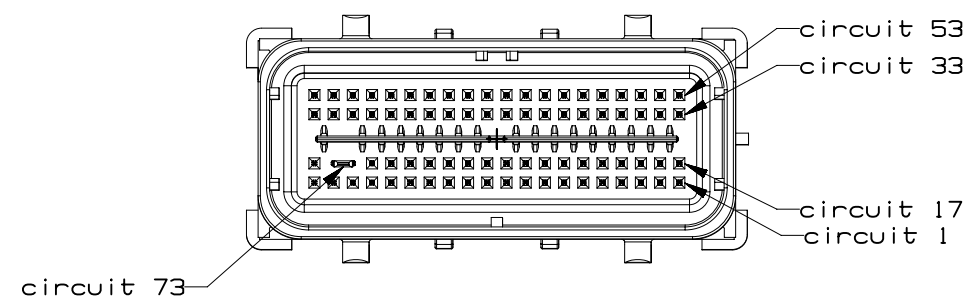
INTERFACE SIDE SHOWN ON ALL VIEWS



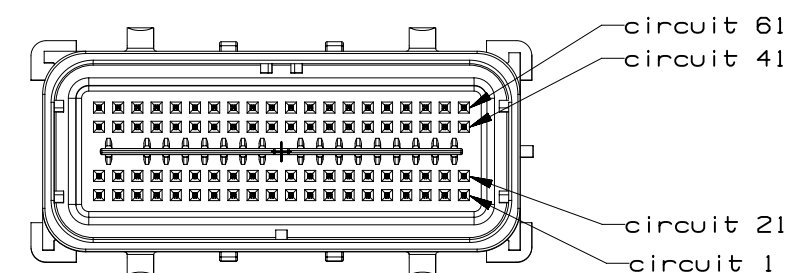
73 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9



80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9

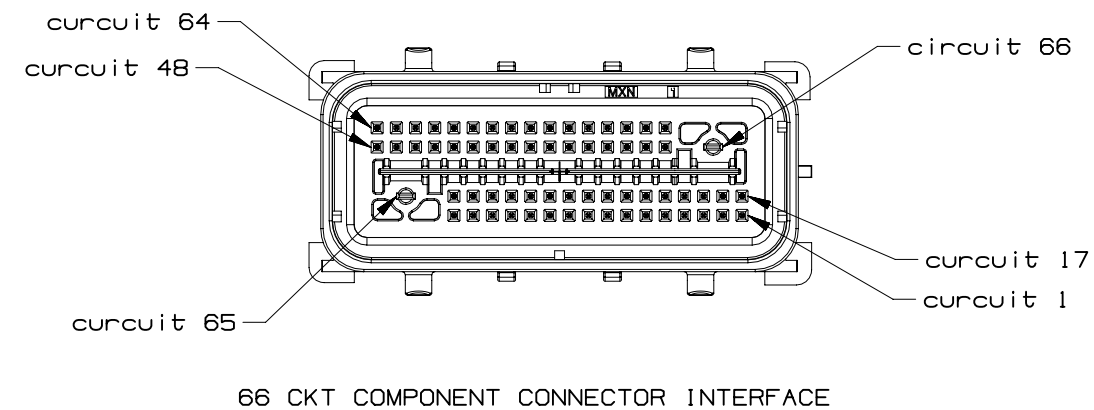
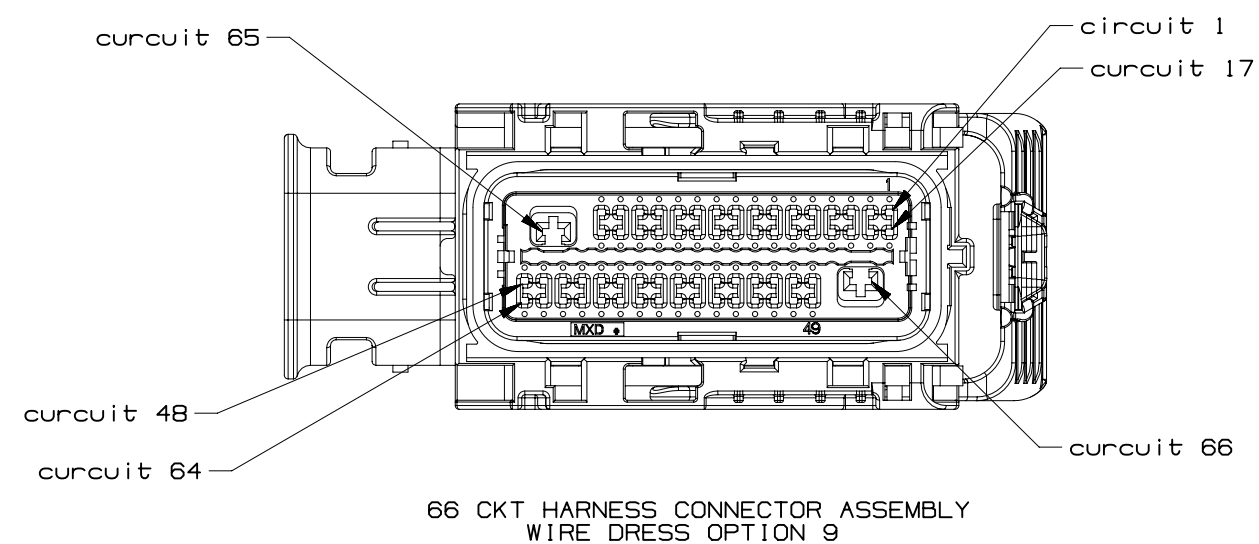
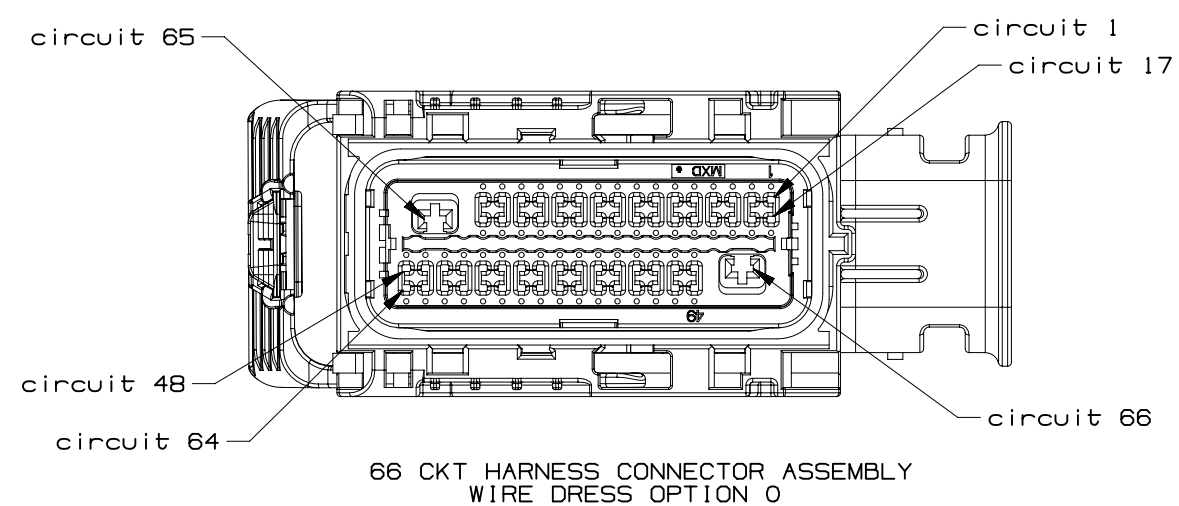


73 CKT COMPONENT CONNECTOR INTERFACE



80 CKT COMPONENT CONNECTOR INTERFACE

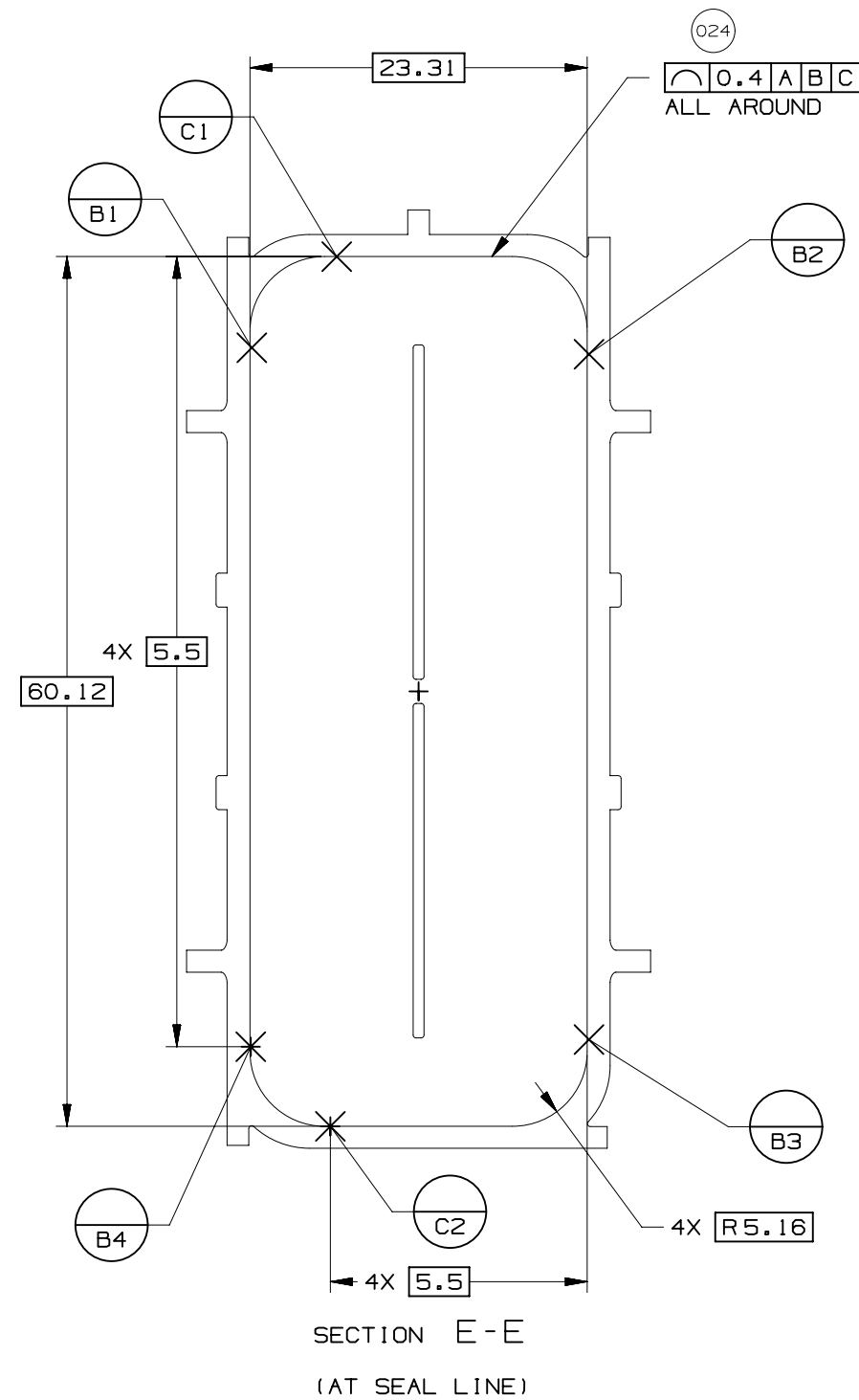
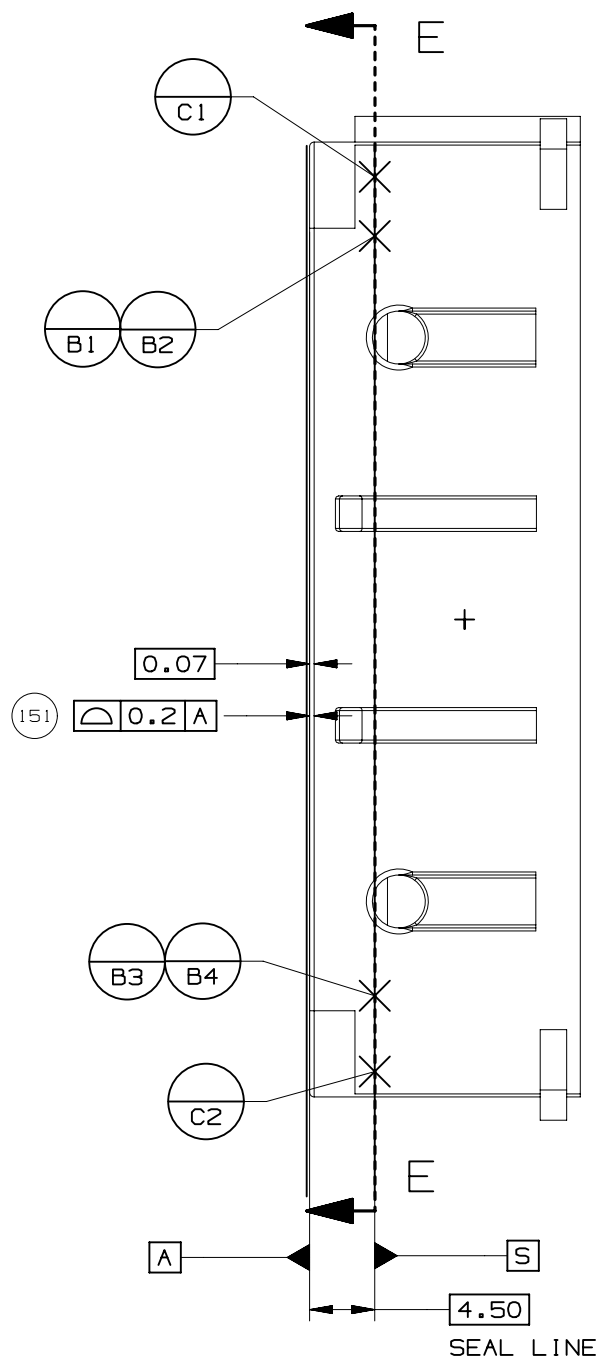
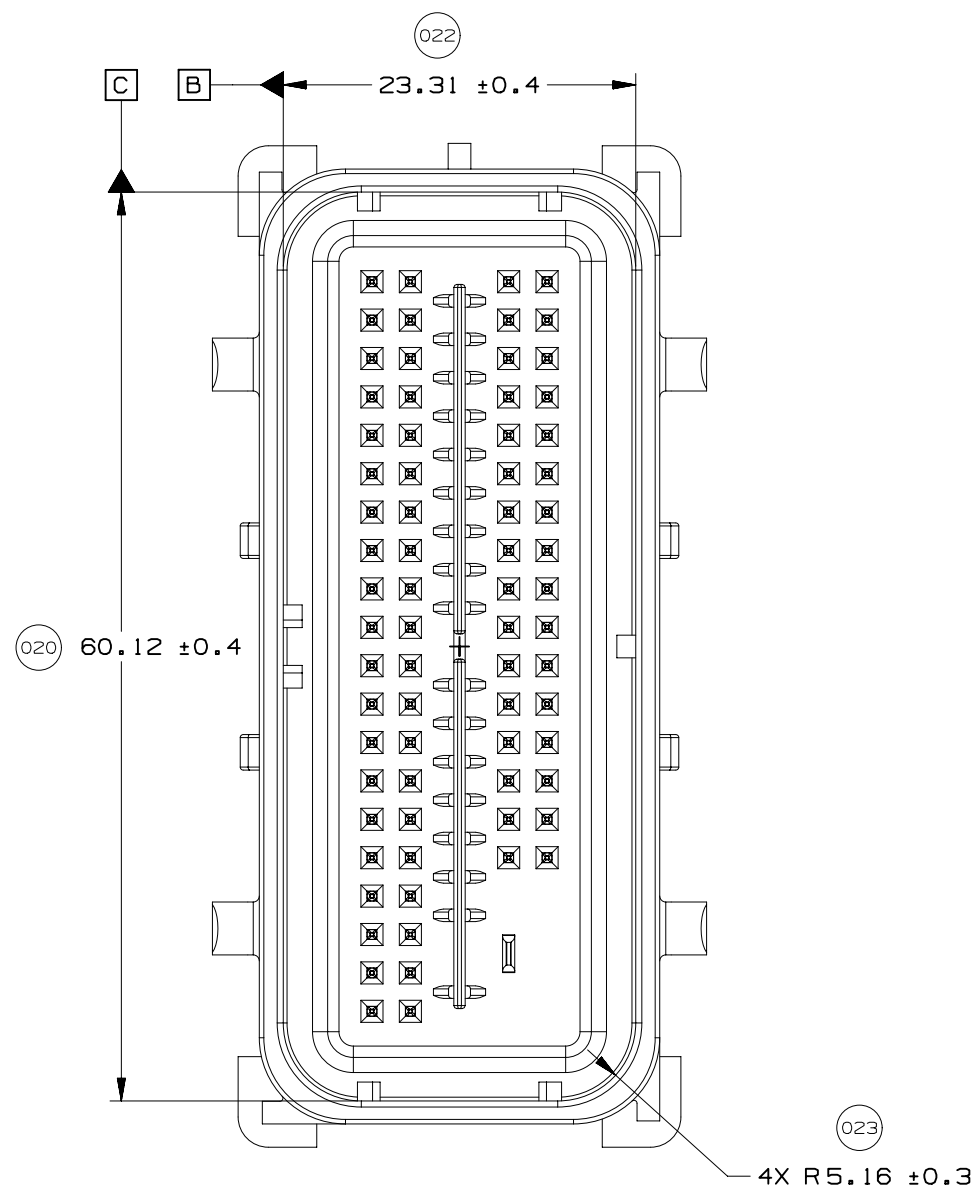
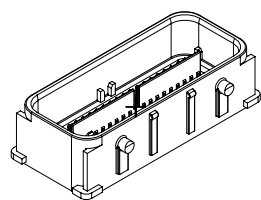




PAGE TITLE
CIRCUIT CONFIGURATIONS

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UNLESS SPECIFIED, TOLERANCE OF THE COMPONENT CONNECTOR INTERFACE TO BE $\sqrt[0.13]{A B C}$

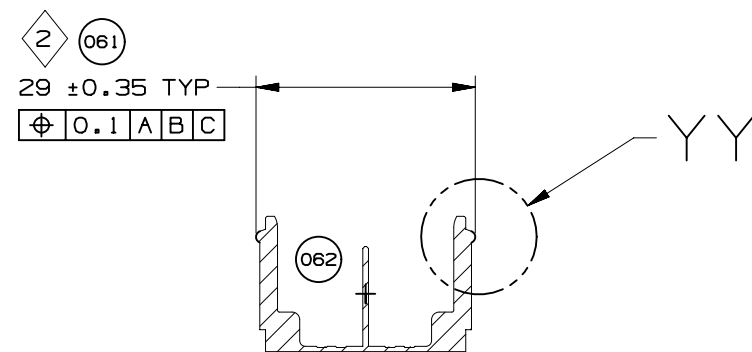
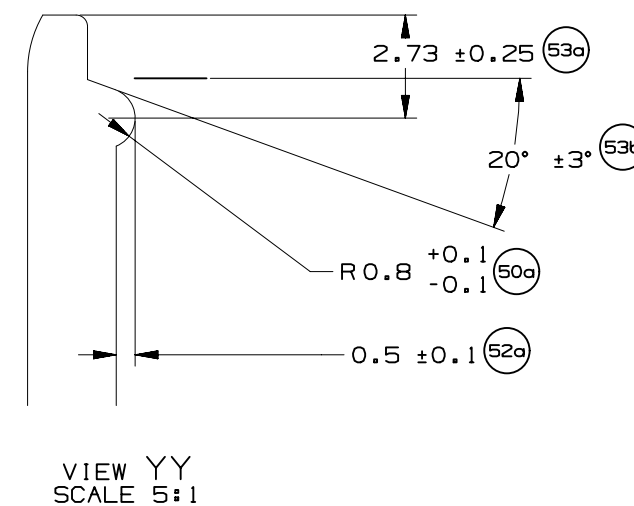
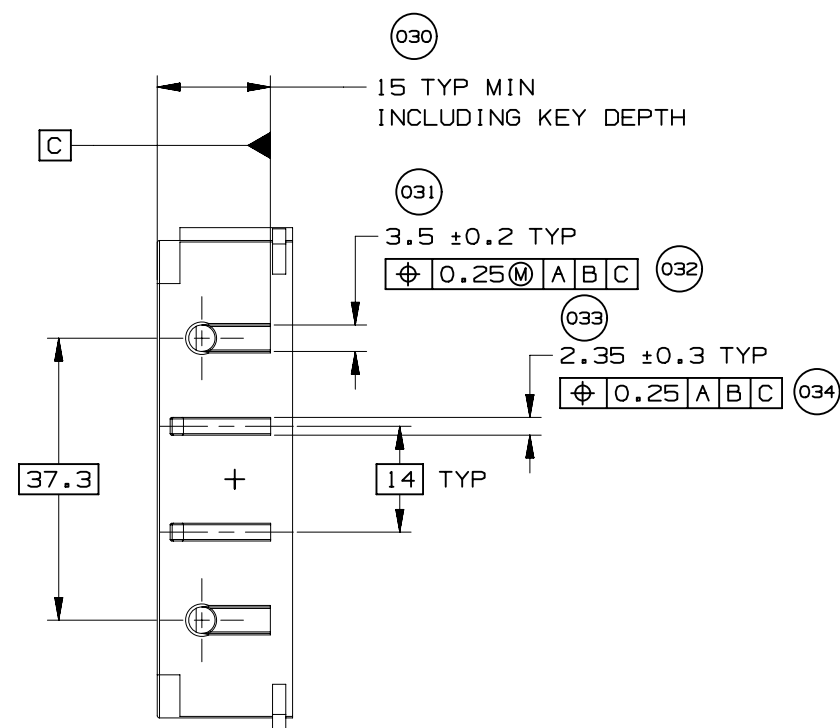
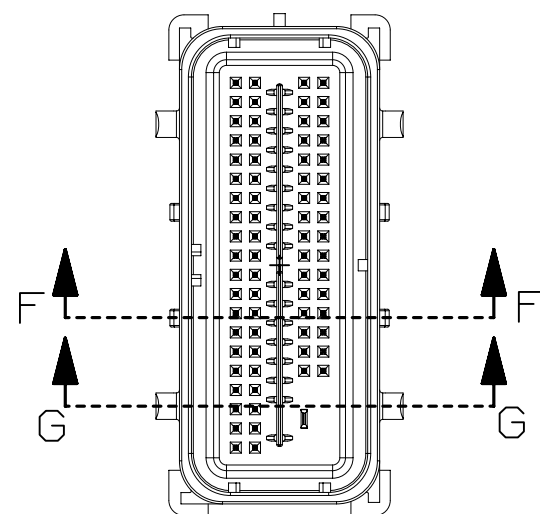


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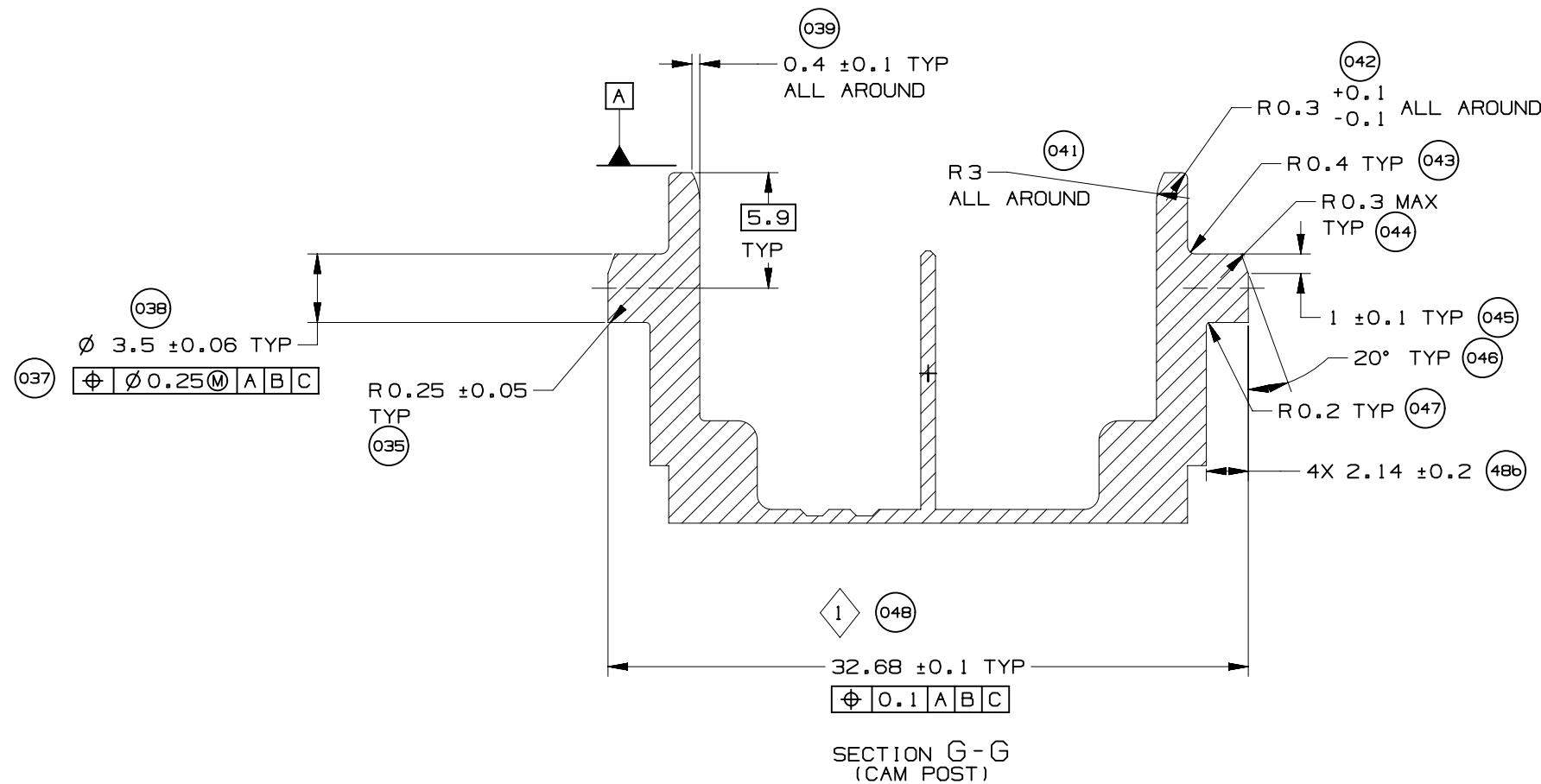
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SECTION F-F



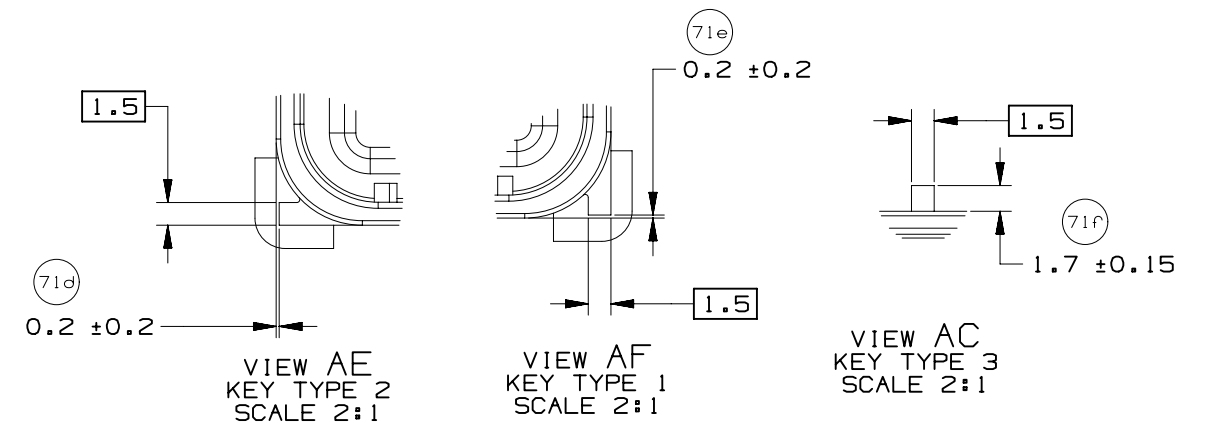
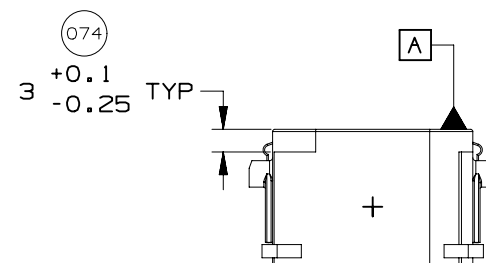
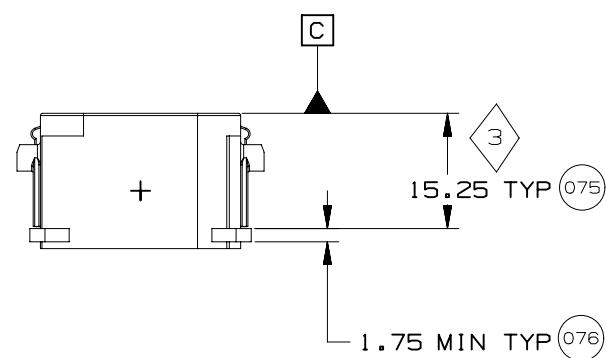
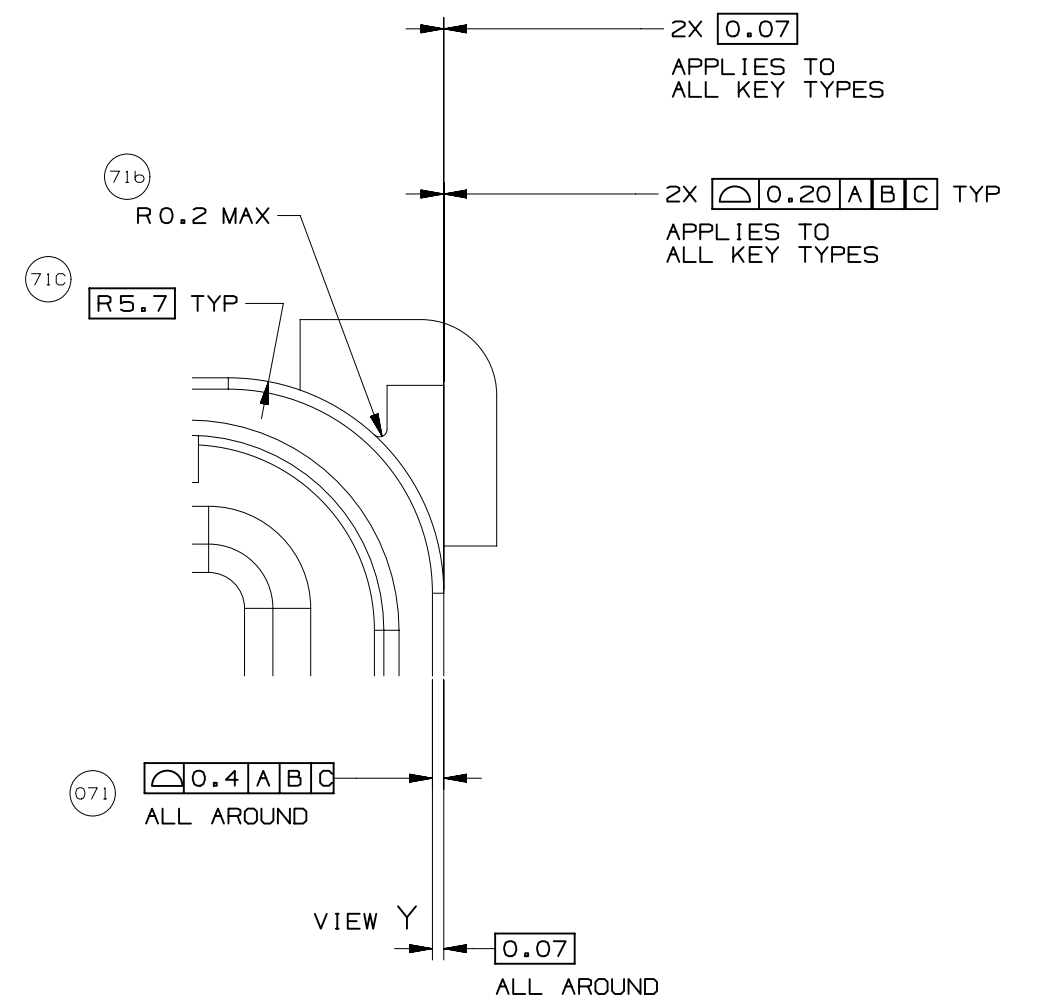
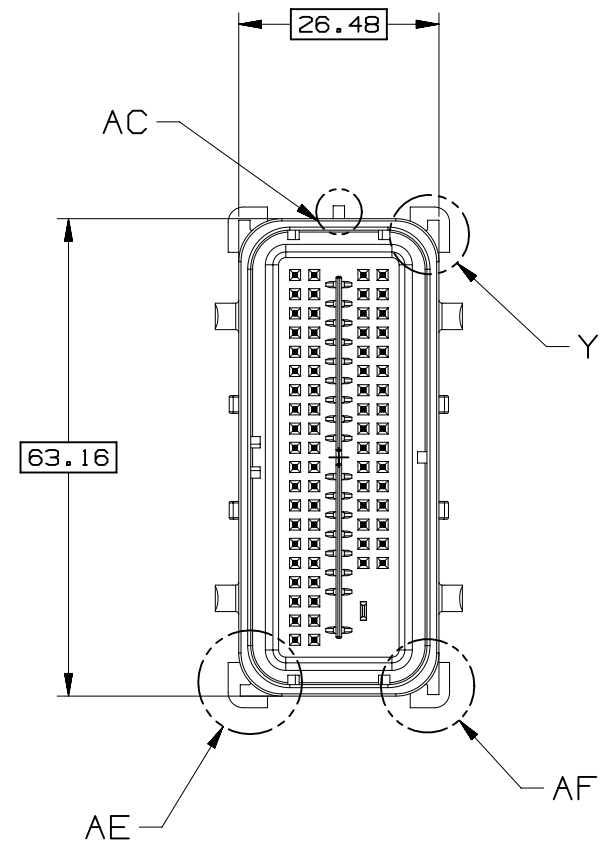
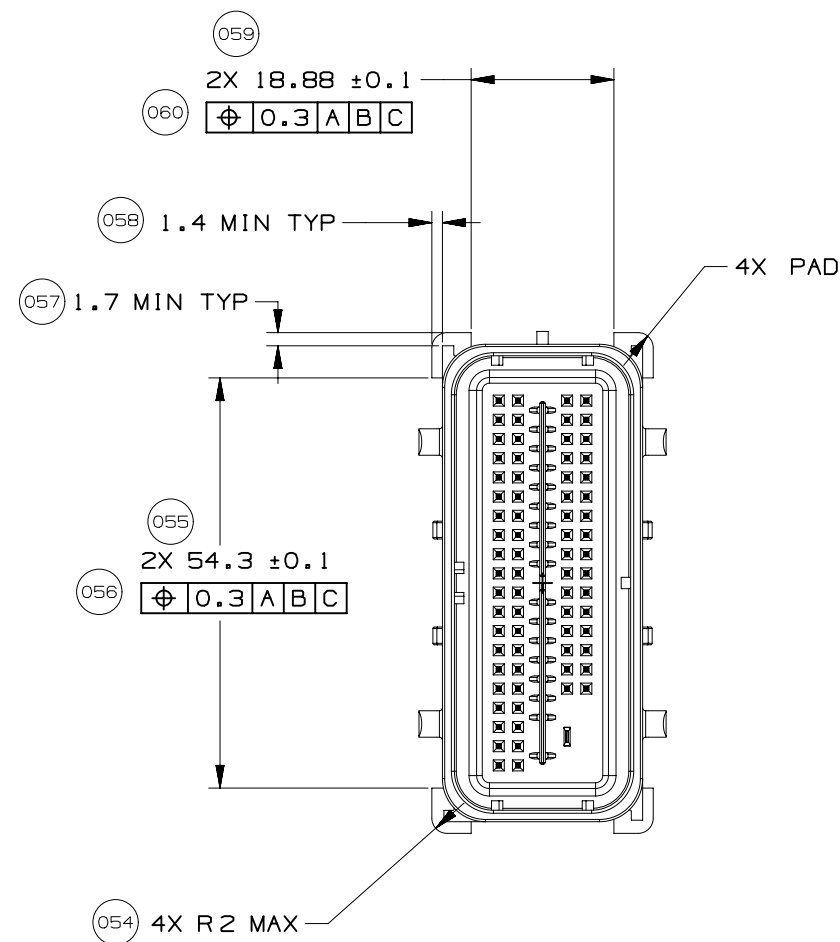
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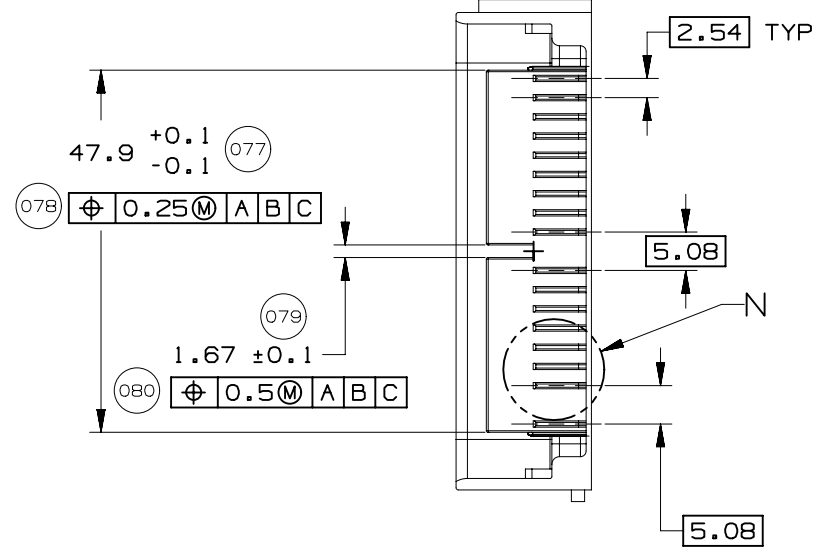
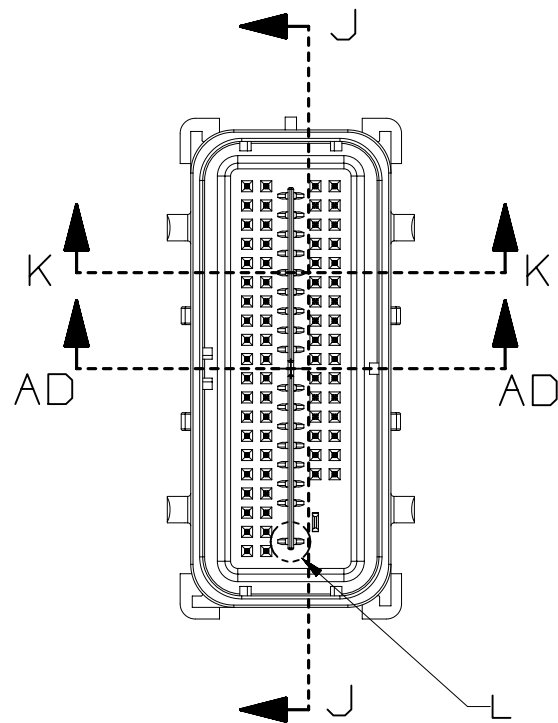
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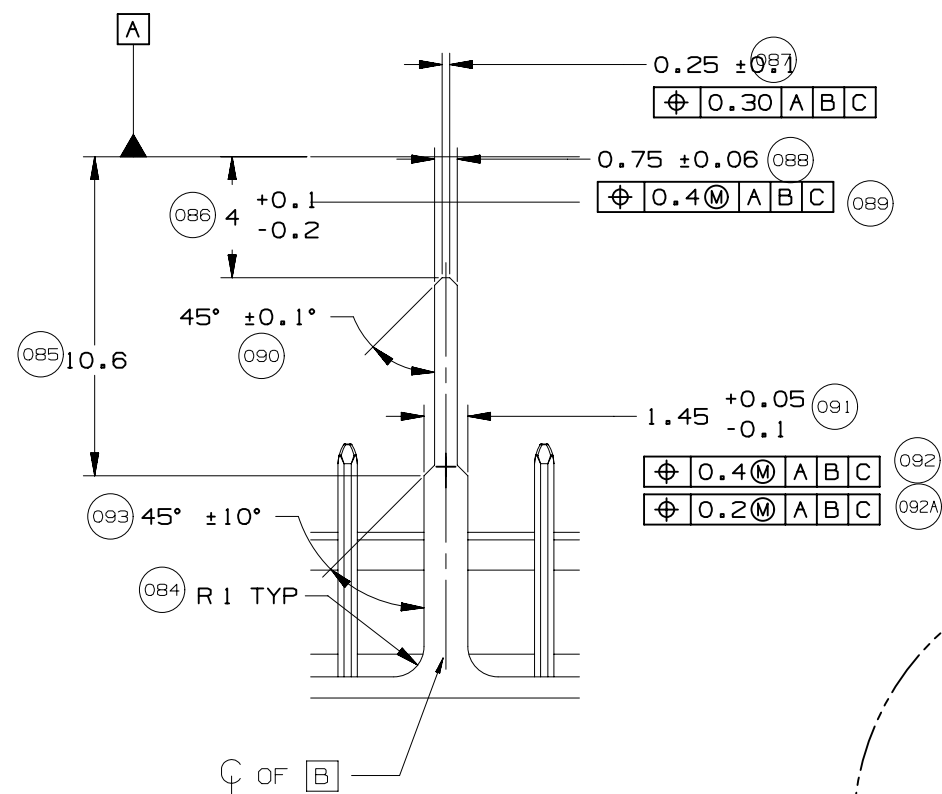
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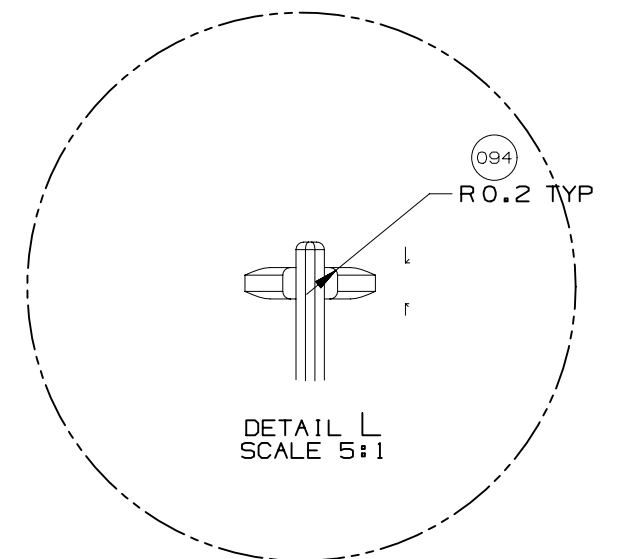
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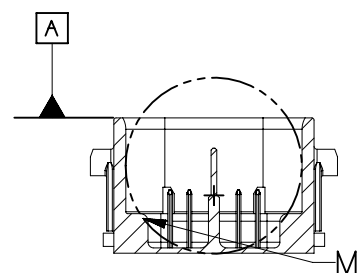
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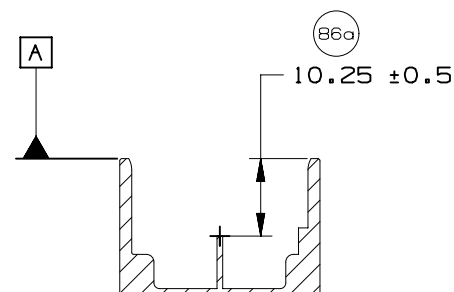
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SCALE 4:1



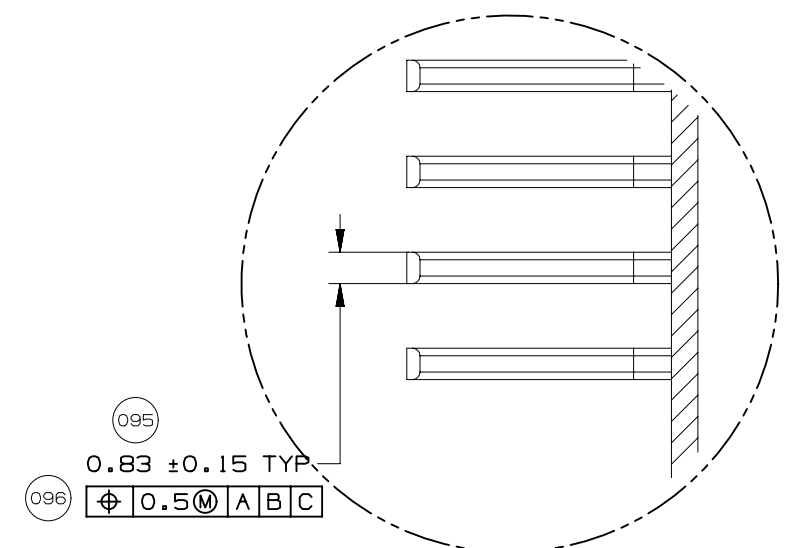
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SECTION K-K



SECTION AD-AD



DETAIL N
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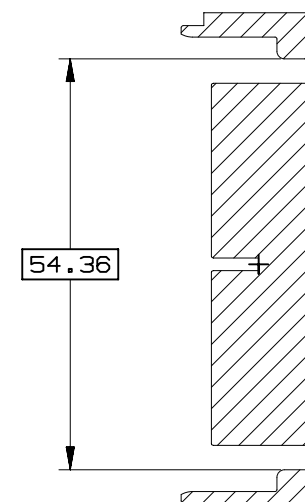
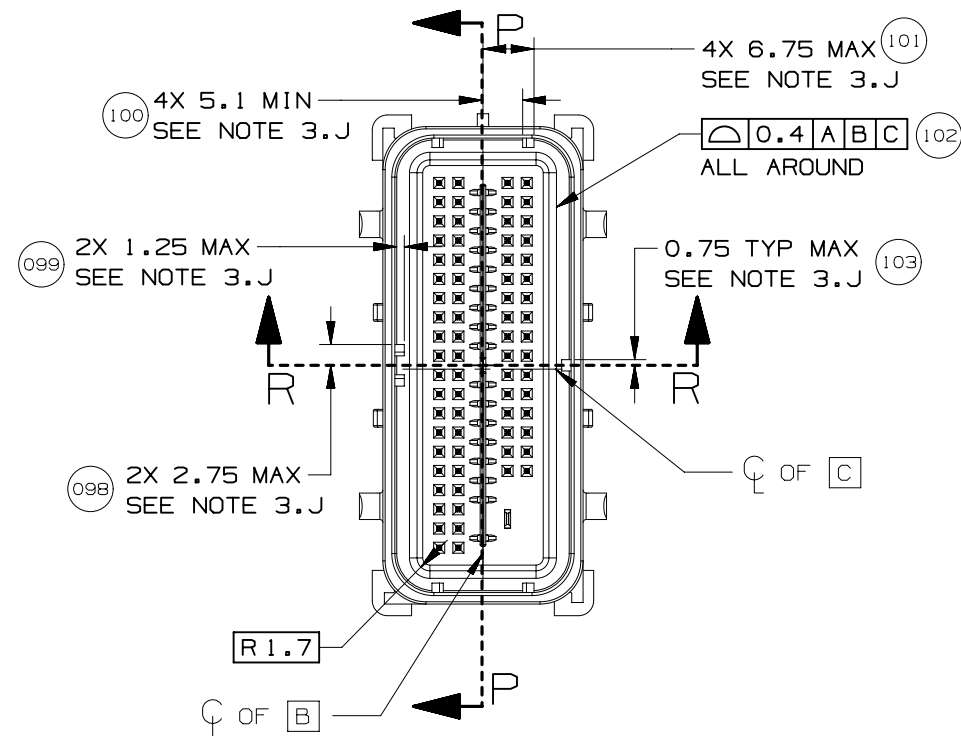


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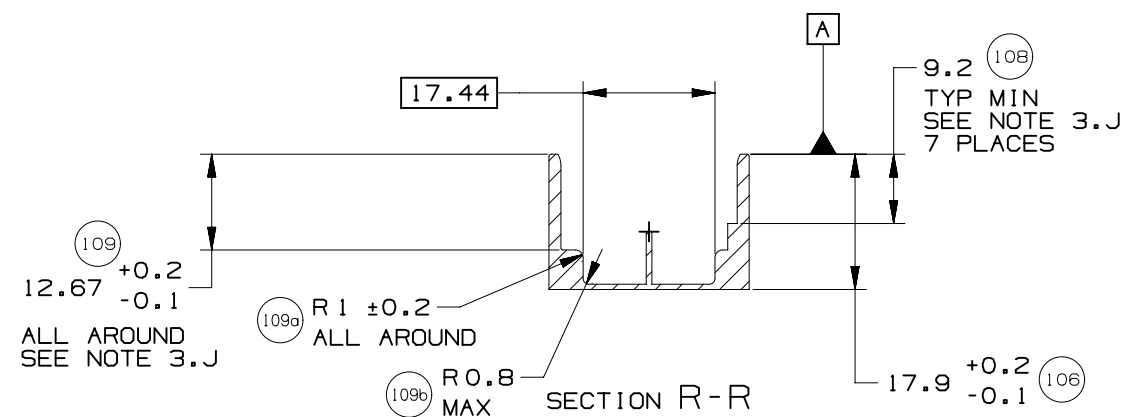
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SECTION P-P



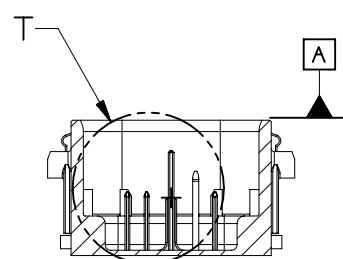
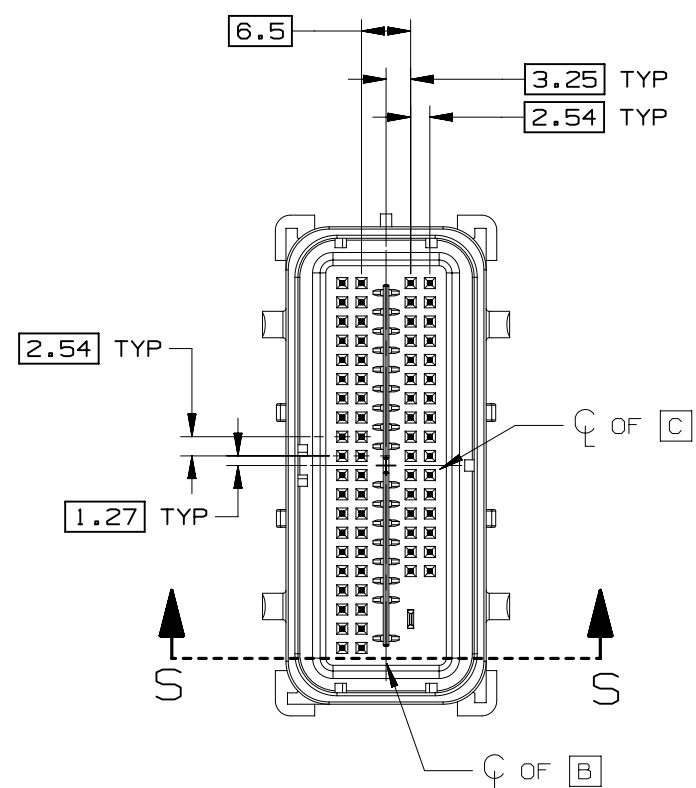
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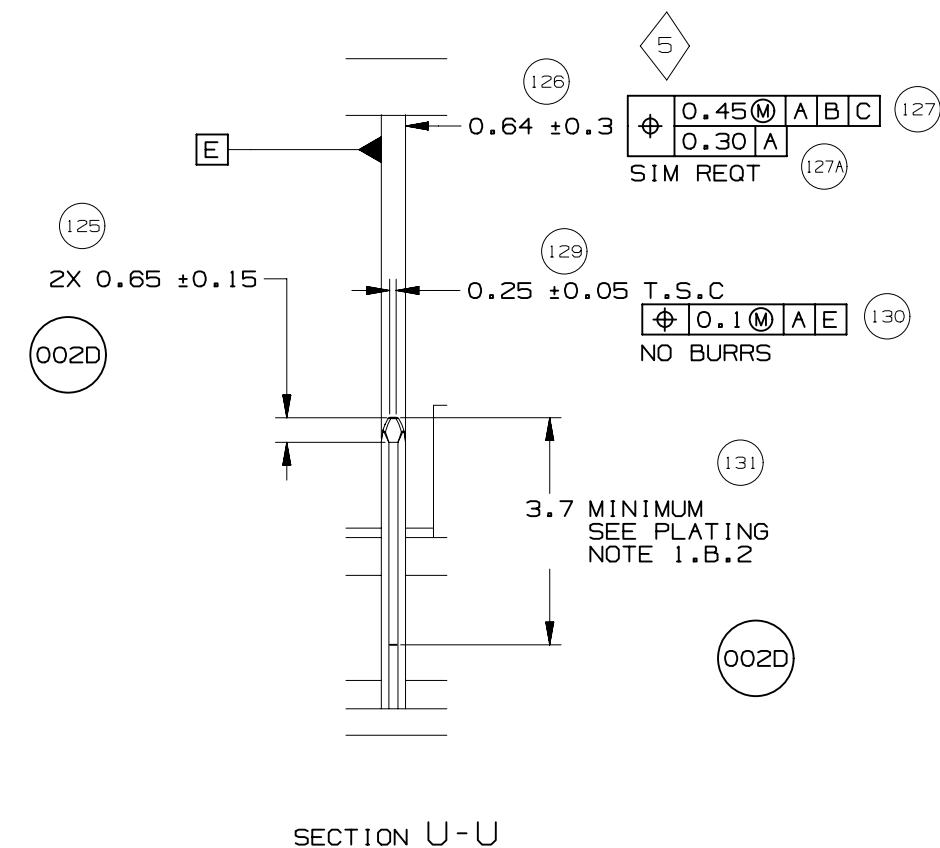
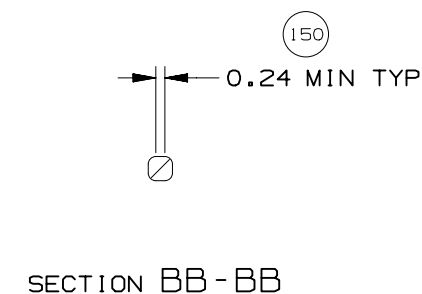
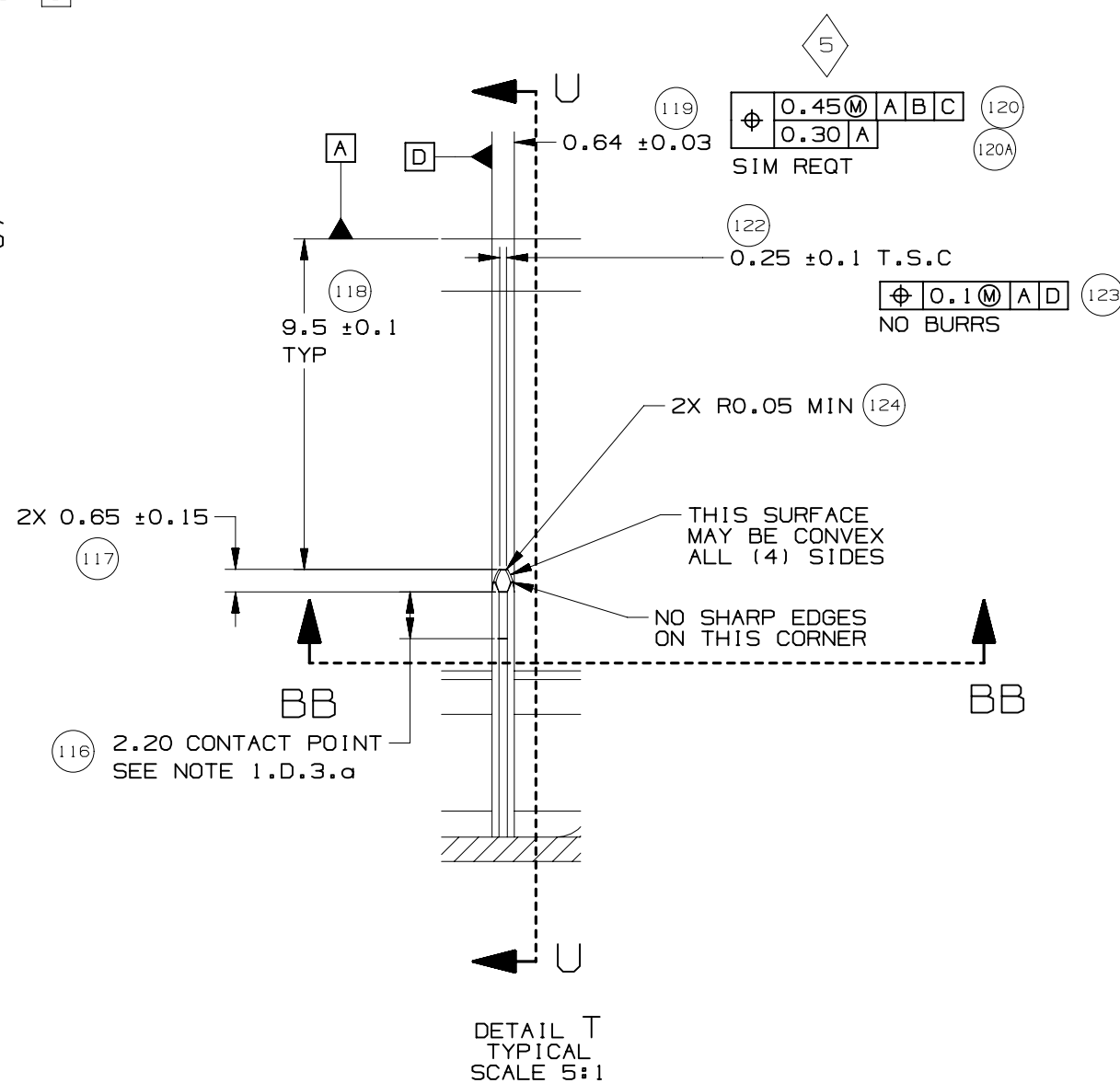
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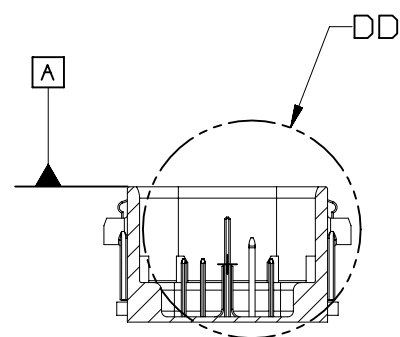
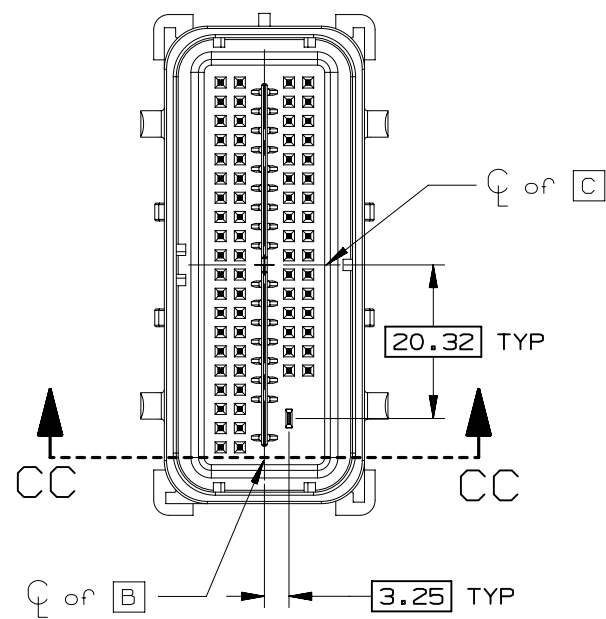
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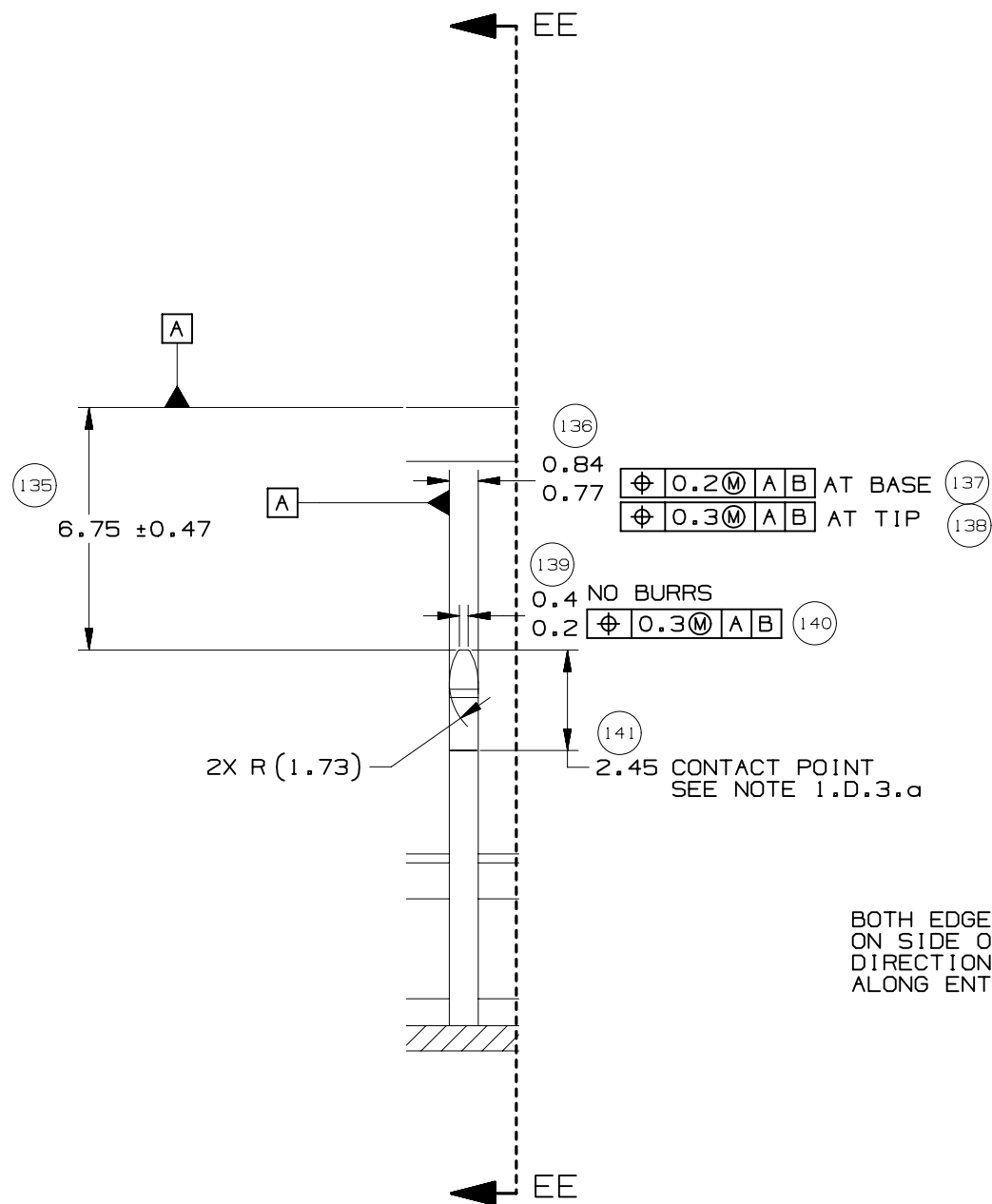


SECTION S-S





SECTION CC-CC



DETAIL DD
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SCALE 5:1

SECTION EE-EE
TYPICAL



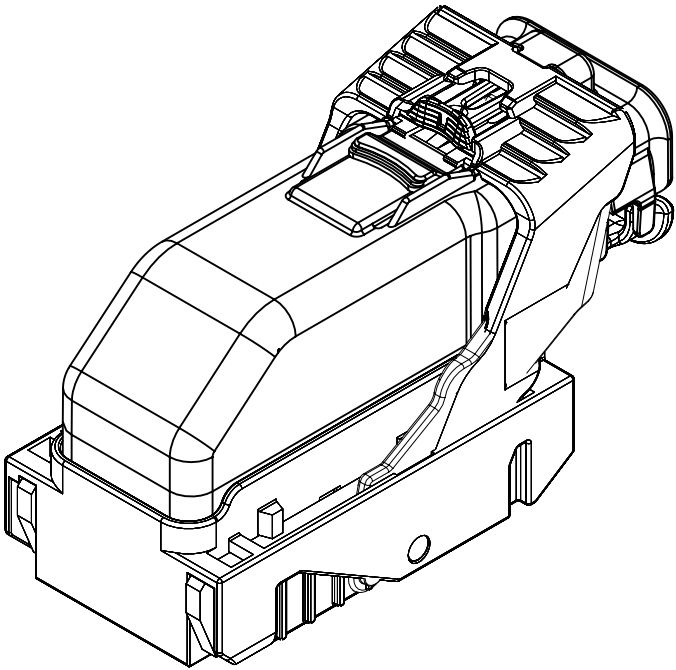
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ISO VIEW

GM	UNLESS OTHERWISE SPECIFIED: THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN A RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.										DATE			
	UC CHANGE RESTRICTED NO MANUAL CHANGES	REFERENCE 12H (MOLEX AUTOMOTIVE)	DRAFTER J SZYMKOWSKI								22DE05			
			APVD1 D PFAFFINGER								22DE05			
			APVD2 B BURT								22DE05			
			APVD3											
			APVD4											
	DO NOT SCALE													
	METRIC DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		DRAWING NAME HARNESS CONN ASM 66/73/80 CKTS											
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PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PD1					
	19DE11	R	001			RELEASED TO PRODUCTION AT DLS A	CRM RJ B	SC	MRO	GF
3	08MY15	R	002	A		REORDERED PART BLOCK AND ADDED MASS CORRECTED P/N TYPO FROM 12562676 TO 12582676				
3, 5		R	002	B		ADDED 12659312, 12659313, 12653574 AND 12653575				
6		R	002	C		REMOVED NOTE 1 . D . 3 . C				
20		R	002	D		DIM 125 WAS 3.25 DIM 131 WAS 5.5	CRM RJ D	DFK	MRO	GF

PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PD1					

KEY PRODUCT CHARACTERISTICS
(IN ACCORDANCE WITH QN 1805 OR ON 1050)

 SAFETY/COMPLIANCE  FIT/FUNCTION			TOTAL ON DRAWING	5
			LAST NO. USED	5
NO	TYPE	DESCRIPTION	RATIONALE	PAGE/ZONE
1	F/F	32.68	IMPROVE CONNECTOR SYSTEM MATING	15
2	F/F	29.00	INSURE PROPER RELEASE OF LEVER	15
3	F/F	15.25	INSURE FINAL MATE POSITION	16
5	F/F	POSITIONAL TOLERANCE (2 PLACES)	INSURE CONNECTOR SYSTEM MATEABILITY	19

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:

1. 30% G.F. PBT; 20% MAX. (BY WEIGHT) REGRIND.

2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.

3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY >= 28% IACS AT 20°C; TENSILE STRENGTH >= 635 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 μm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 μm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).

3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 28% IACS AT 20°C; TENSILE STRENGTH >= 350 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 μm ELECTRODEPOSITED TIN, MATTE FINISH OVER 1.25-2.5μm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. PLATING REQUIREMENTS:

1. SILVER PLATING

a. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.

2. NICKEL PLATING

a. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.

b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.

c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.

d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURITY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.

3. TESTING

a. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).

b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- B. TOLERANCES:

1. LINEAR

0.X ± 0.30

0.XX ± 0.10

0.XXX ± 0.10

2. ANGULAR

X° ± 3°

3.

1.0

A

B

C
- C. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.
- D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- E. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.
- F-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.
- F-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.
- G. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP

1. MATERIAL #: XXXXX-XXXX

2. DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)

3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
- B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.
- C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
- D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
- E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.
- F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.
- H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.
- K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.
- L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARENCE.
- M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.

002C

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NOTES: UNLESS OTHERWISE SPECIFIED

4. SYSTEM REQUIREMENTS:

- A. HARNESS CONNECTOR IS COMPATIBLE WITH THE FOLLOWING SAE WIRE SIZE NO'S:
14, MEETING SAE J1128
18, MEETING SAE J1128, MAX O.D. OF 2.06 MM
20, MEETING SAE J1128
22, MEETING SAE J1128, MIN O.D. OF 1.47 MM
- B. CABLE TIE SPECIFICATIONS:
1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON
2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1
- C. WHEN MATED WITH COMPONENT CONNECTOR INTERFACE AND/OR DRESS COVER, HARNESS CONNECTOR SYSTEM CONFORMS TO THE FOLLOWING:
1. SAE/USCAR-2, REV: 3 APRIL, 2001; CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV. 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3, SEALING CLASS 1, VIBRATION CLASS 2
4. RESTRICTED AND REPORTABLE CHEMICALS PER GMW #3059, REV: D AUGUST 2002
5. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N
- D. WIRE SPECIFICATIONS:
1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

5. TERMINAL CURRENT RATINGS:

ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

- A. MX64 RCPT TERM
1. MX64 RCPT TERM Ag 18/20 GAGE CRIMPED TO SAE WIRE SIZE NO.18 AND MATED TO MX123 0.64MM PIN: 11.3 AMPS
2. MX64 RCPT TERM Ag 22 GAGE CRIMPED TO SAE WIRE SIZE NO.22 AND MATED TO MX123 0.64MM PIN:8.5 AMPS

WIRE	CURRENT RATING			
	23°C	85°C	105°C	125°C
18AWG	11.3A	11.3A	9.5A	6.6A
20AWG	10.0A	10.0A	8.3A	5.7A
22AWG	8.6A	8.6A	7.1A	5.0A

- B. 2.8MM RCPT TERM
1. 2.8MM RCPT TERM TIN 14 GAGE CRIMPED TO SAE WIRE SIZE NO.14 AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS

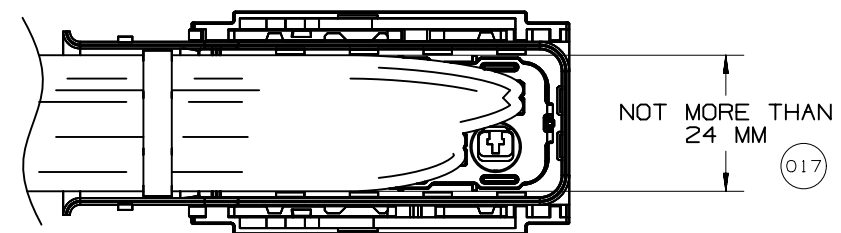
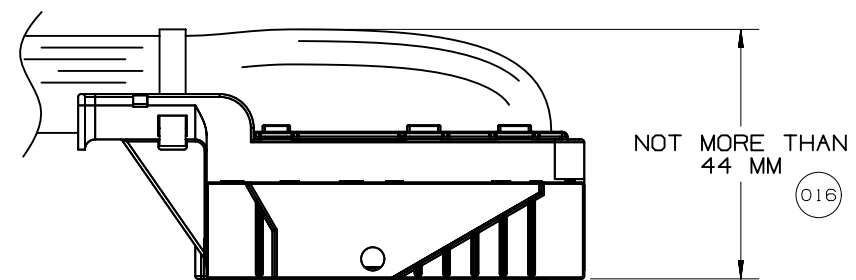
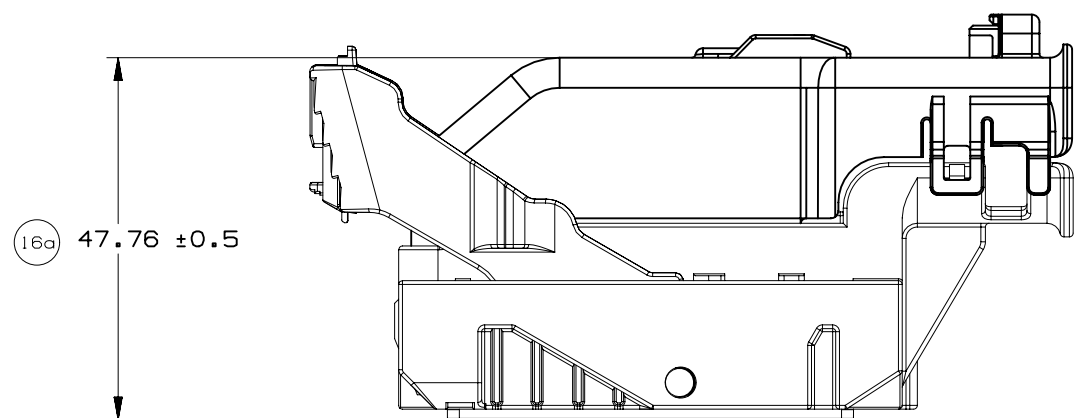
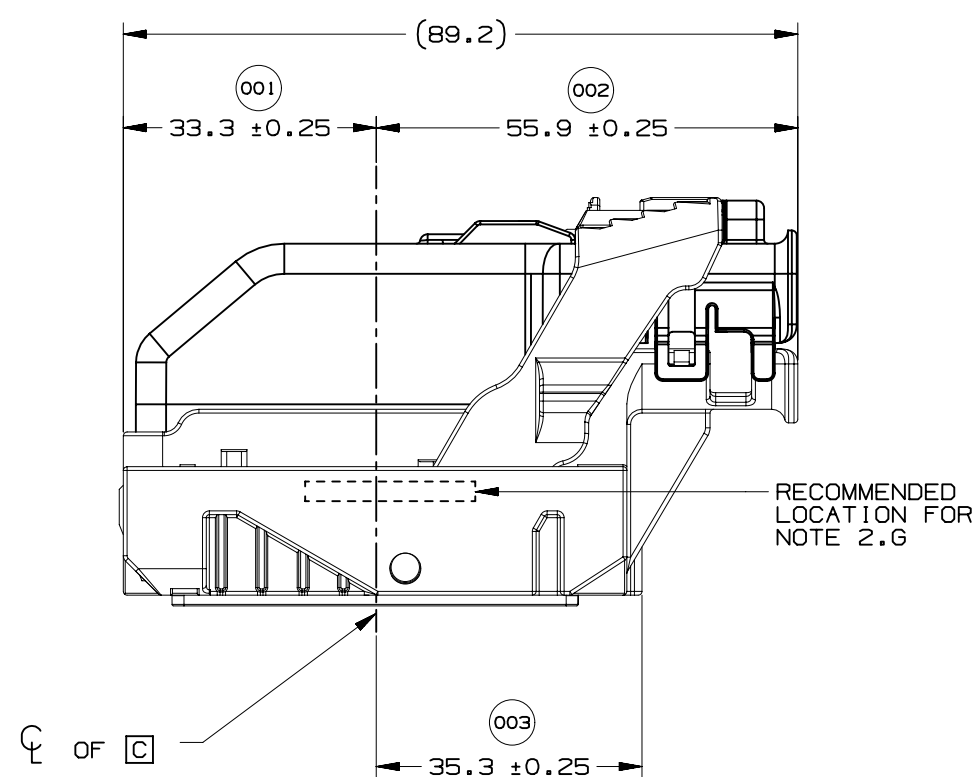
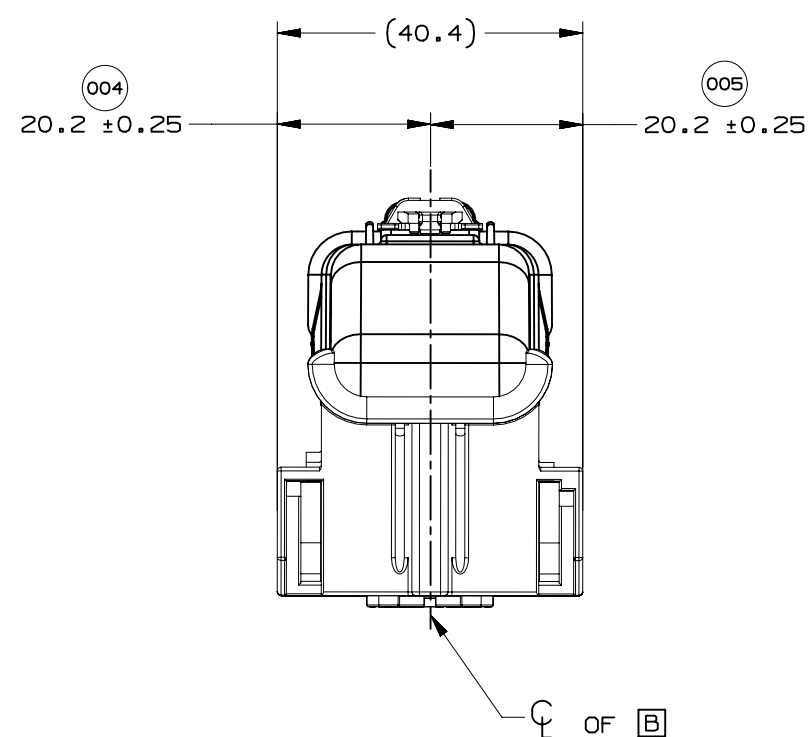


Fig. 1

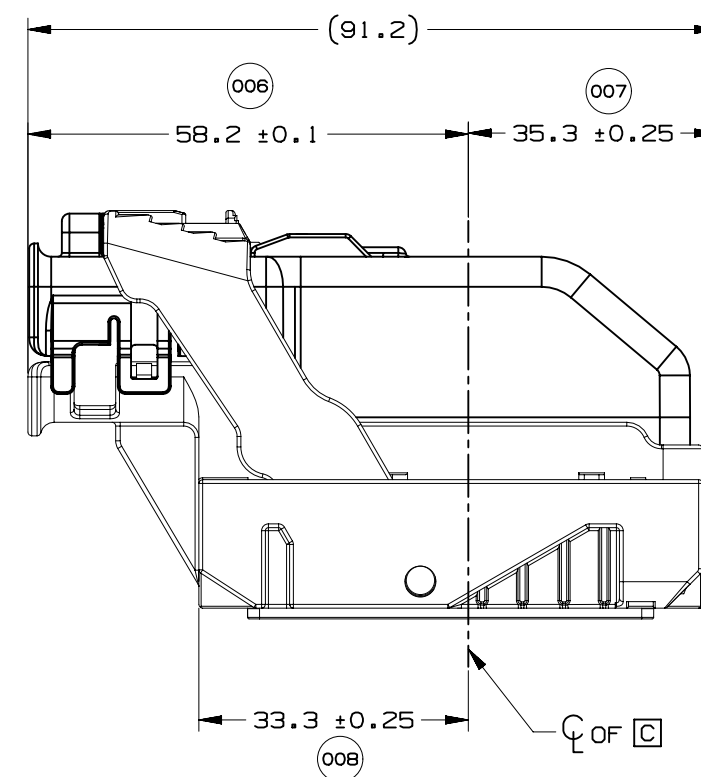




WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN

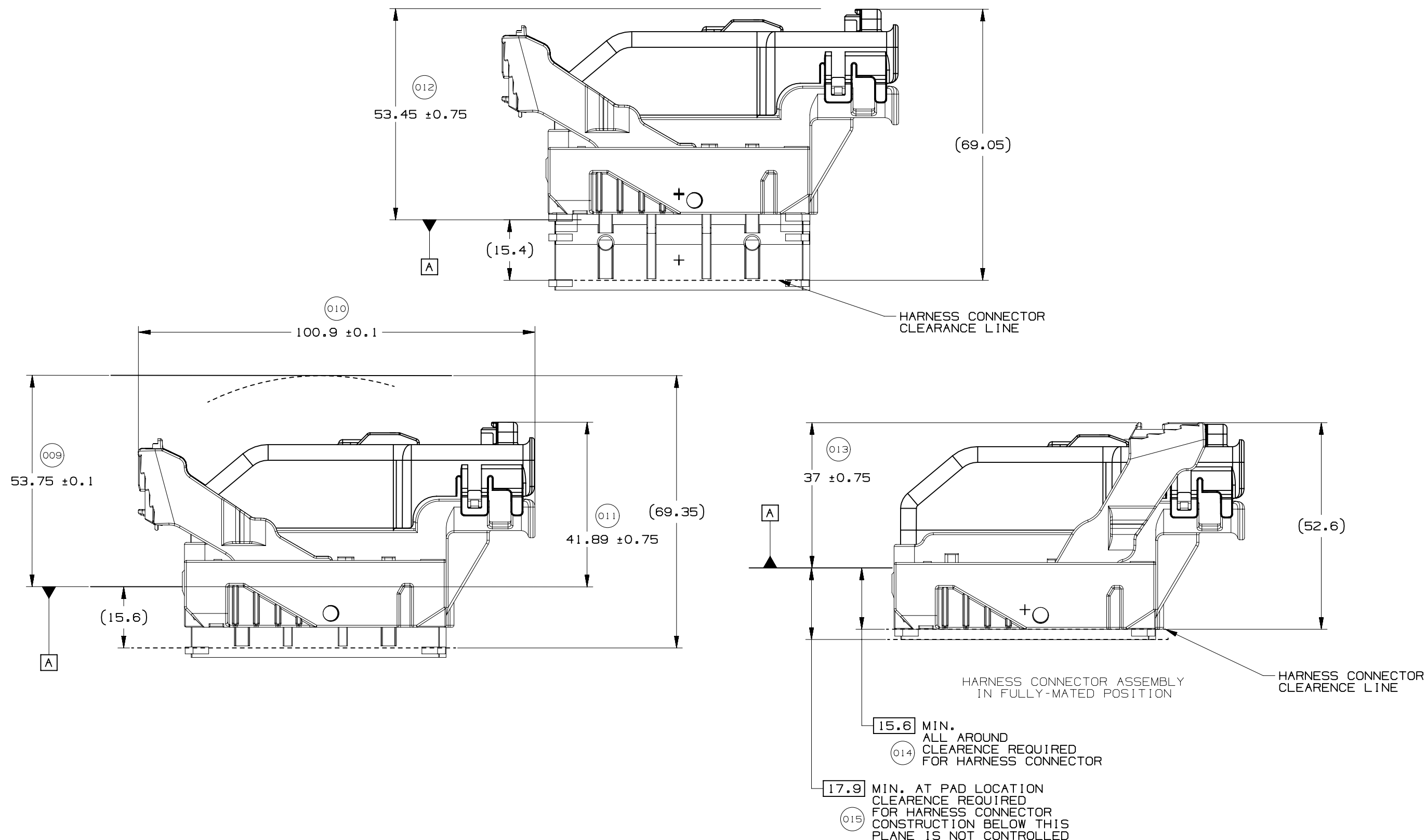


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LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUMS B & C

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LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUM A

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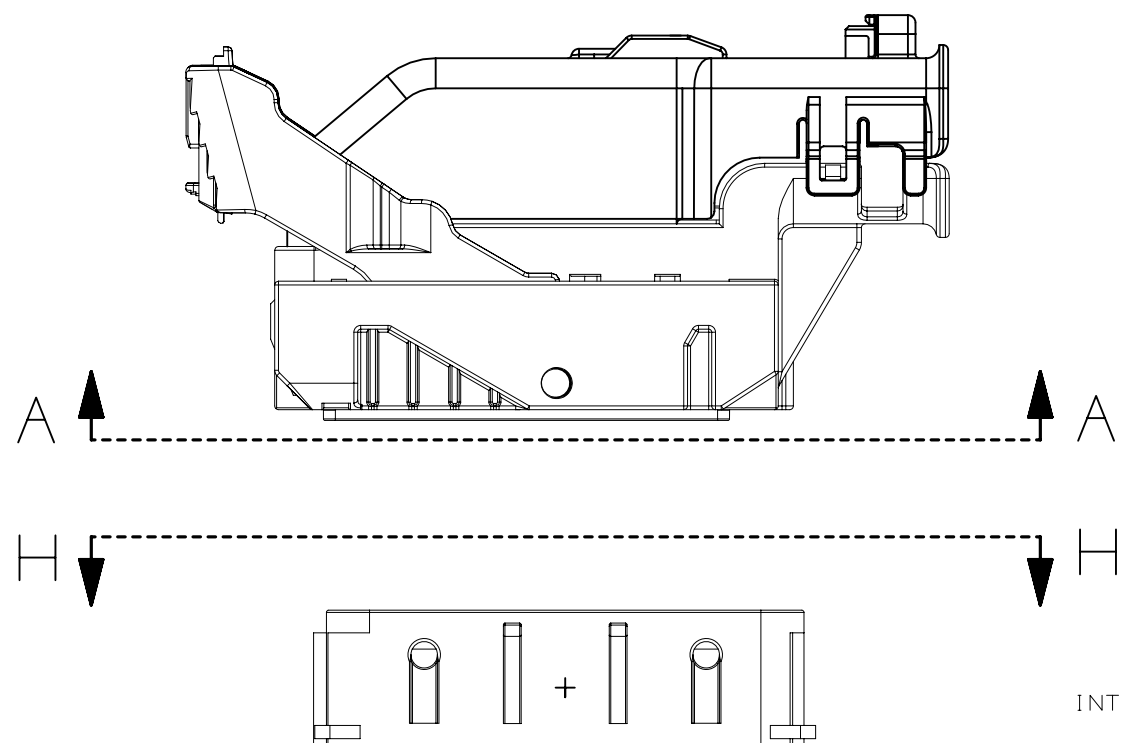
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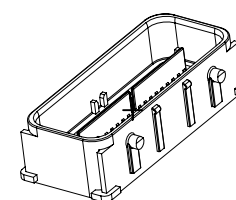
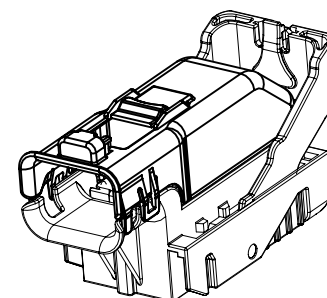
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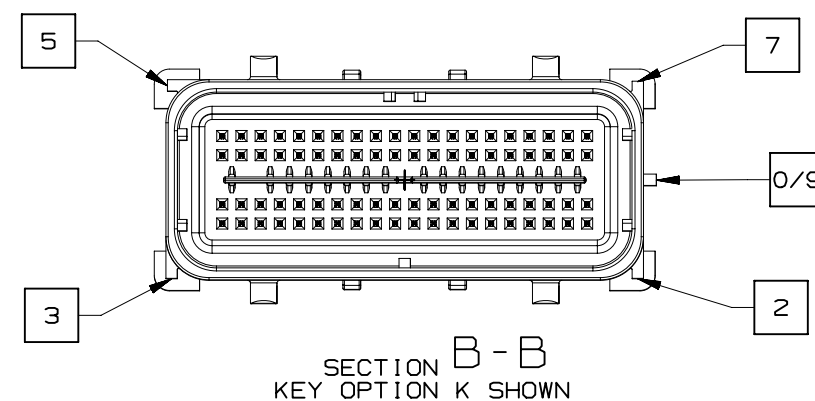
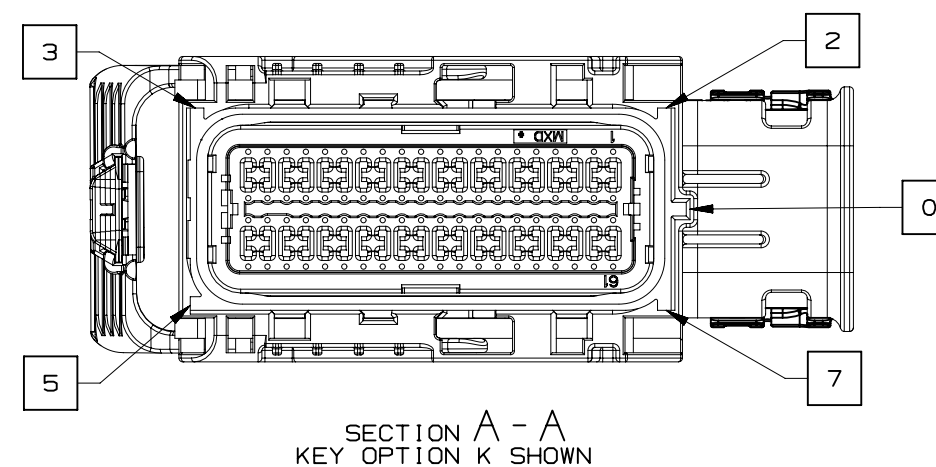
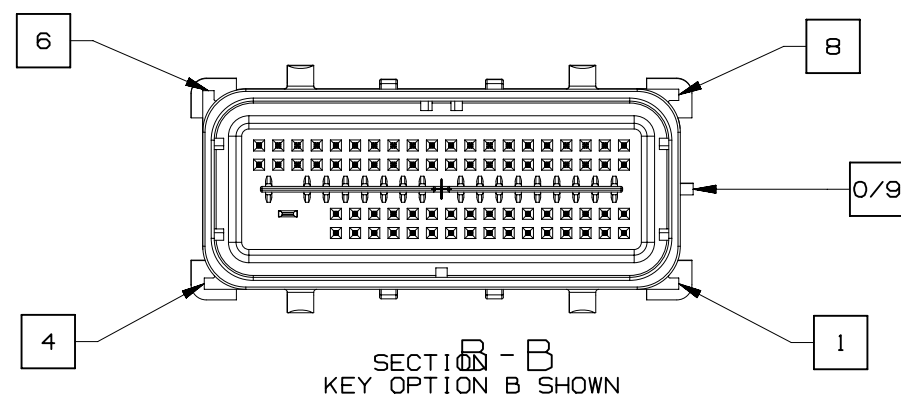
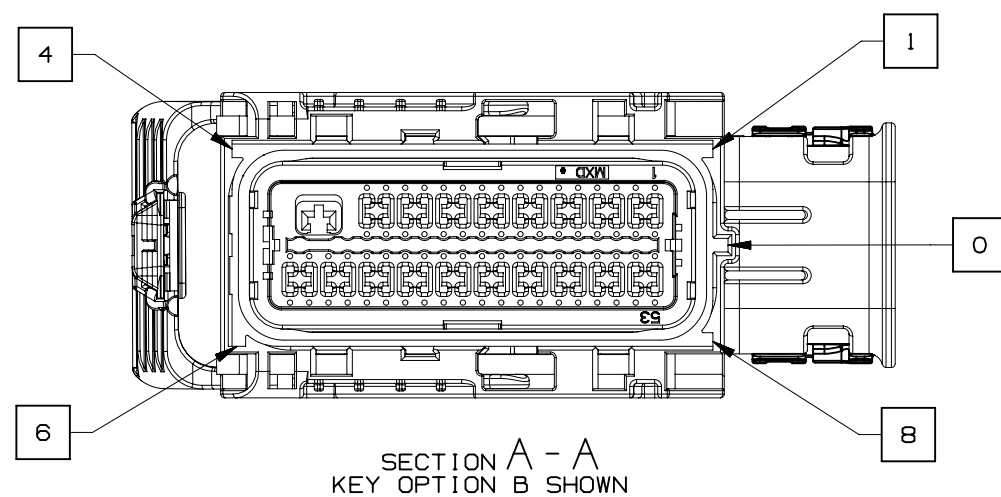
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INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

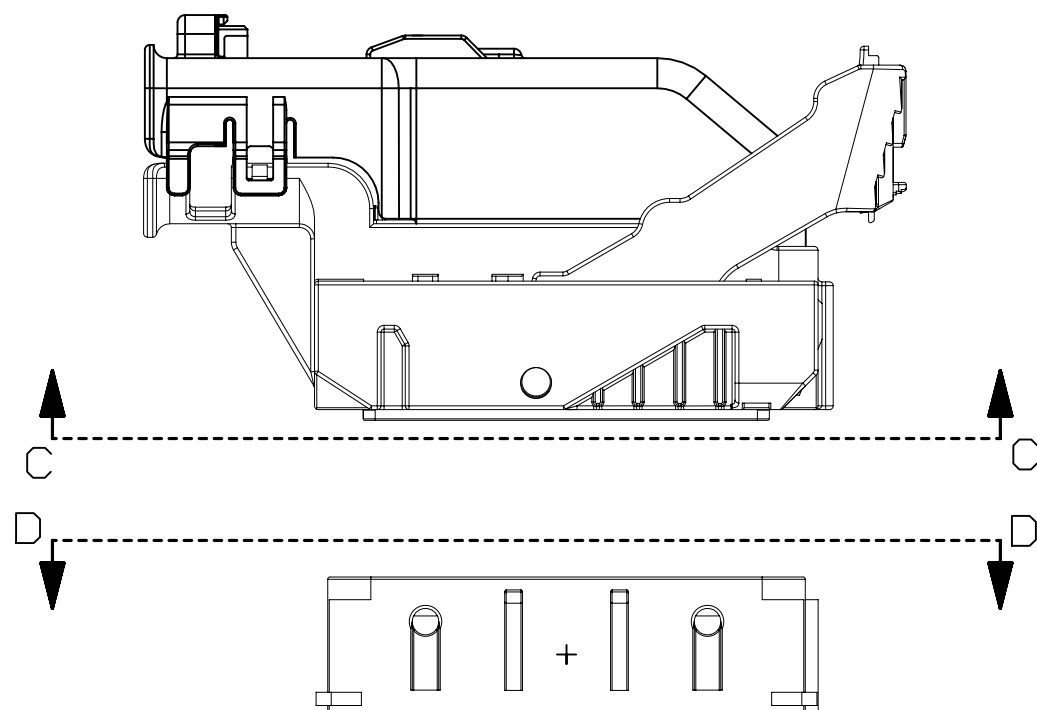


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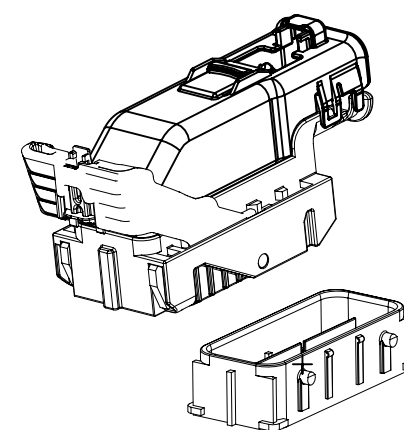
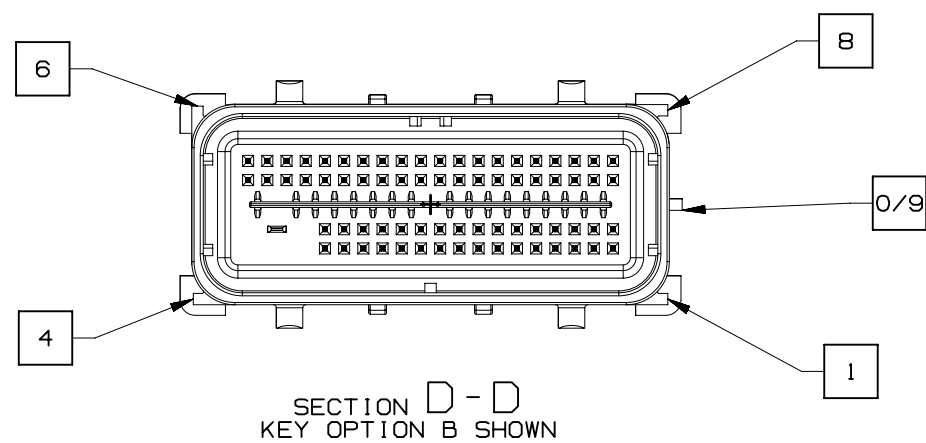
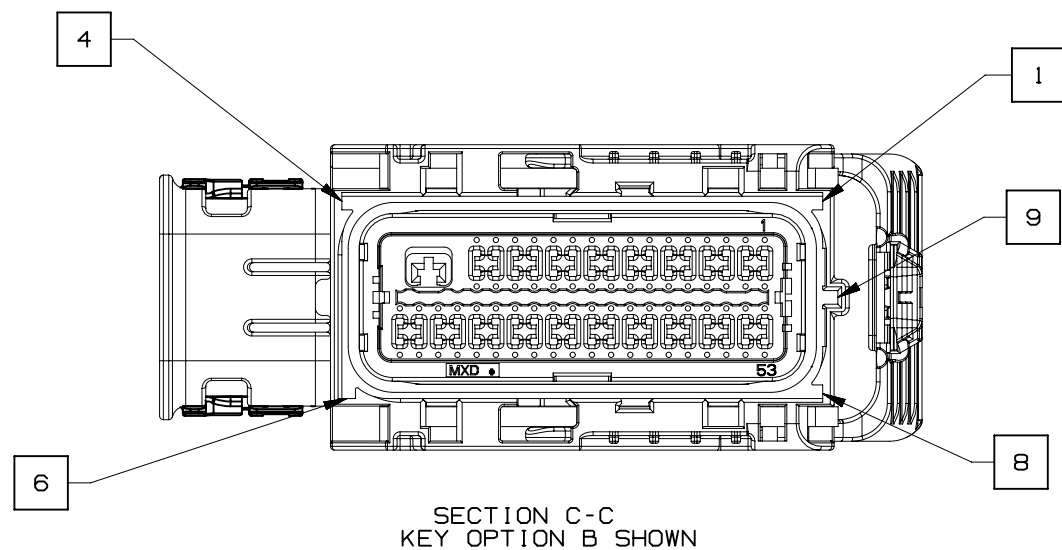
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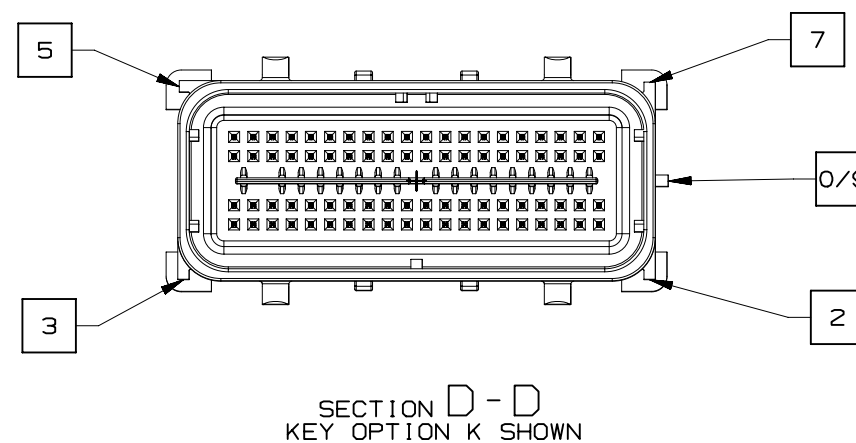
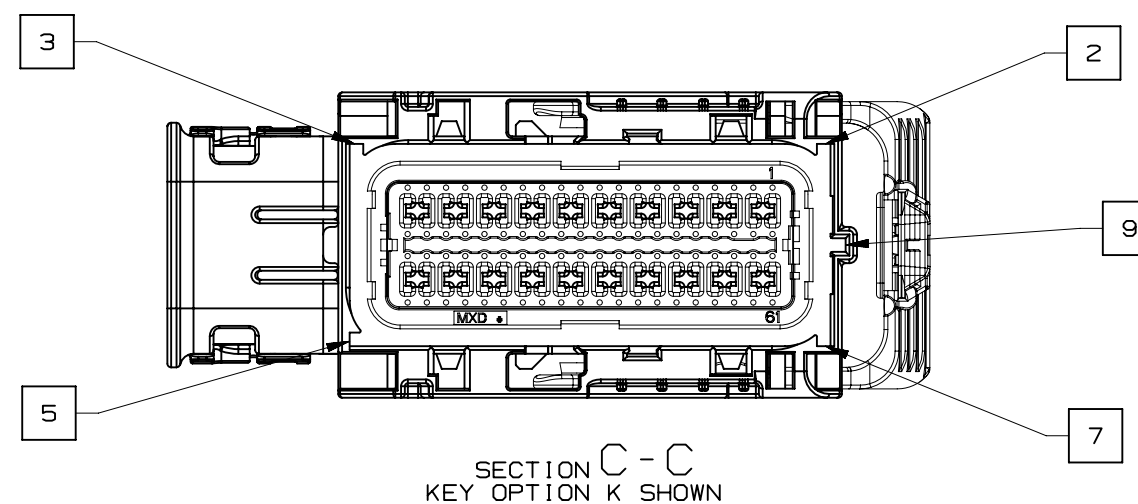


INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

VIEW V

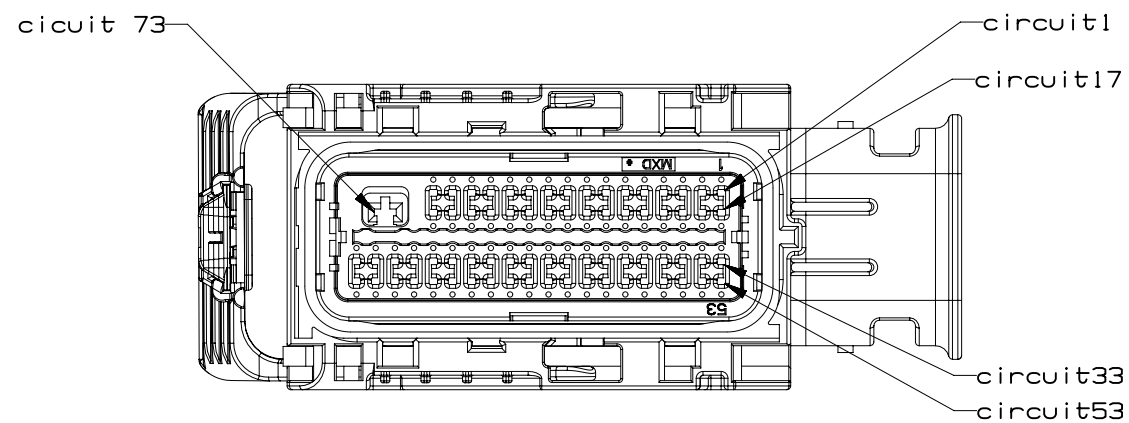


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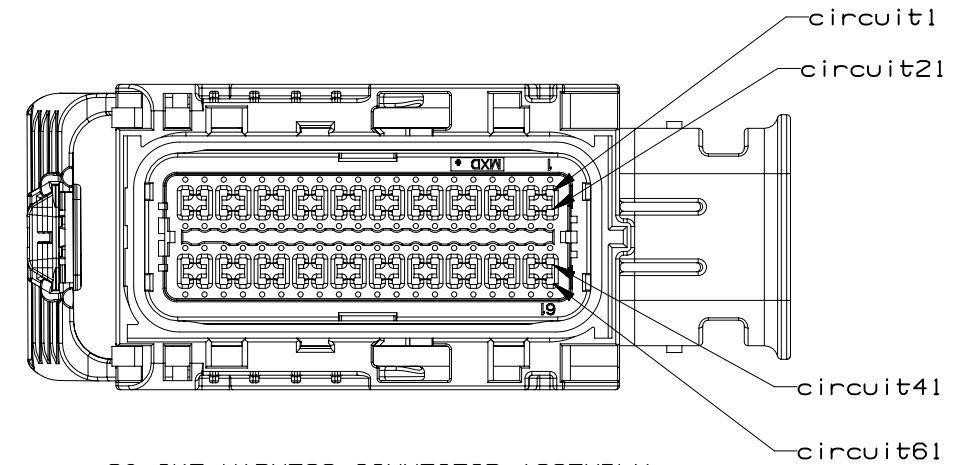
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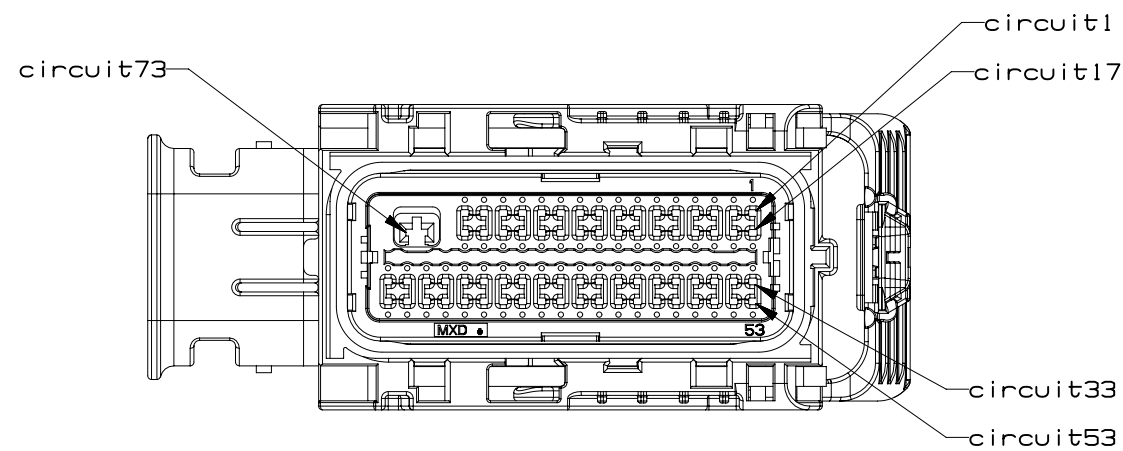


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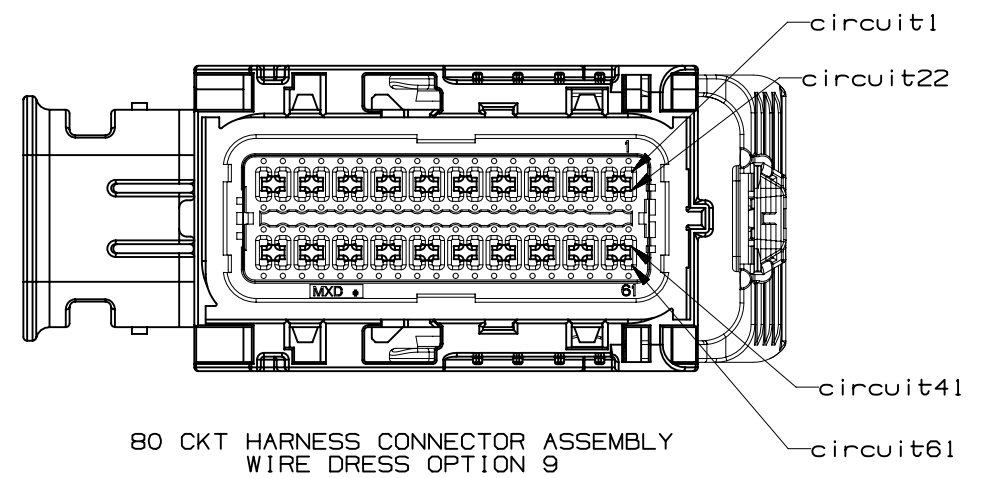


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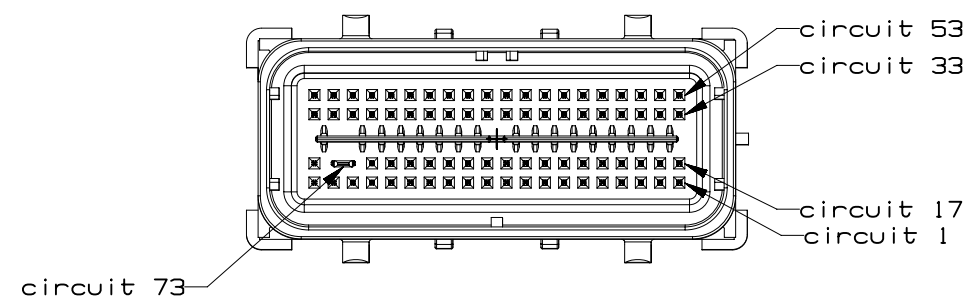
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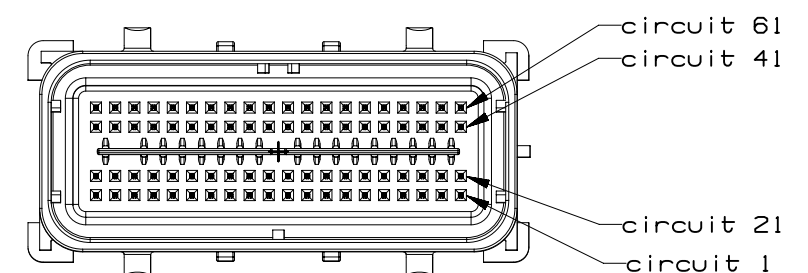
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WIRE DRESS OPTION 9



80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9

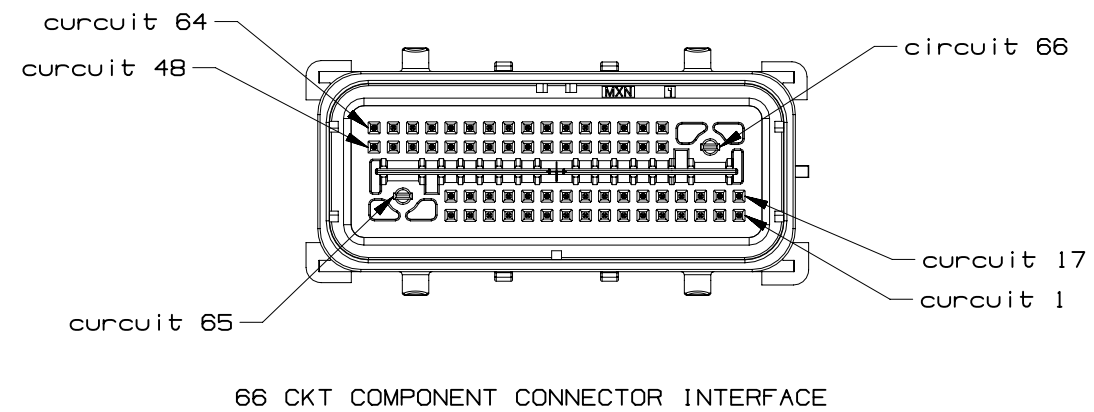
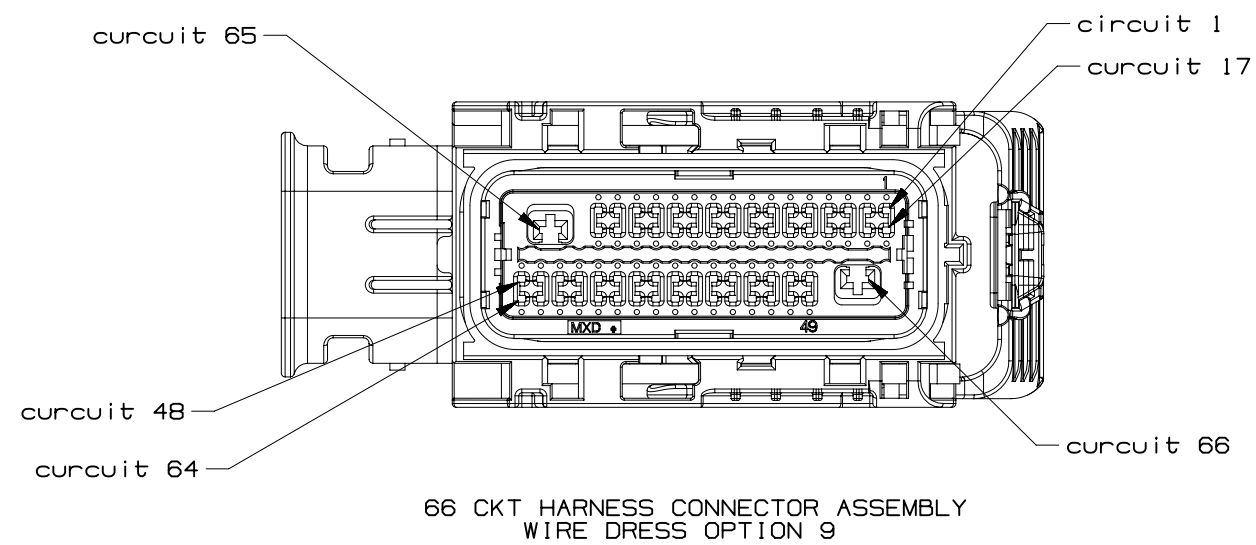
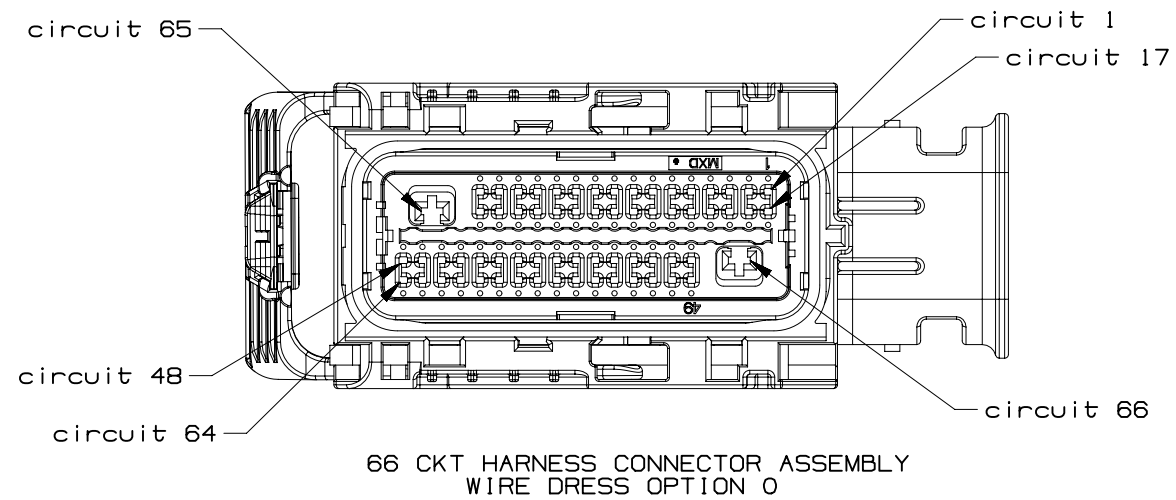


73 CKT COMPONENT CONNECTOR INTERFACE



80 CKT COMPONENT CONNECTOR INTERFACE

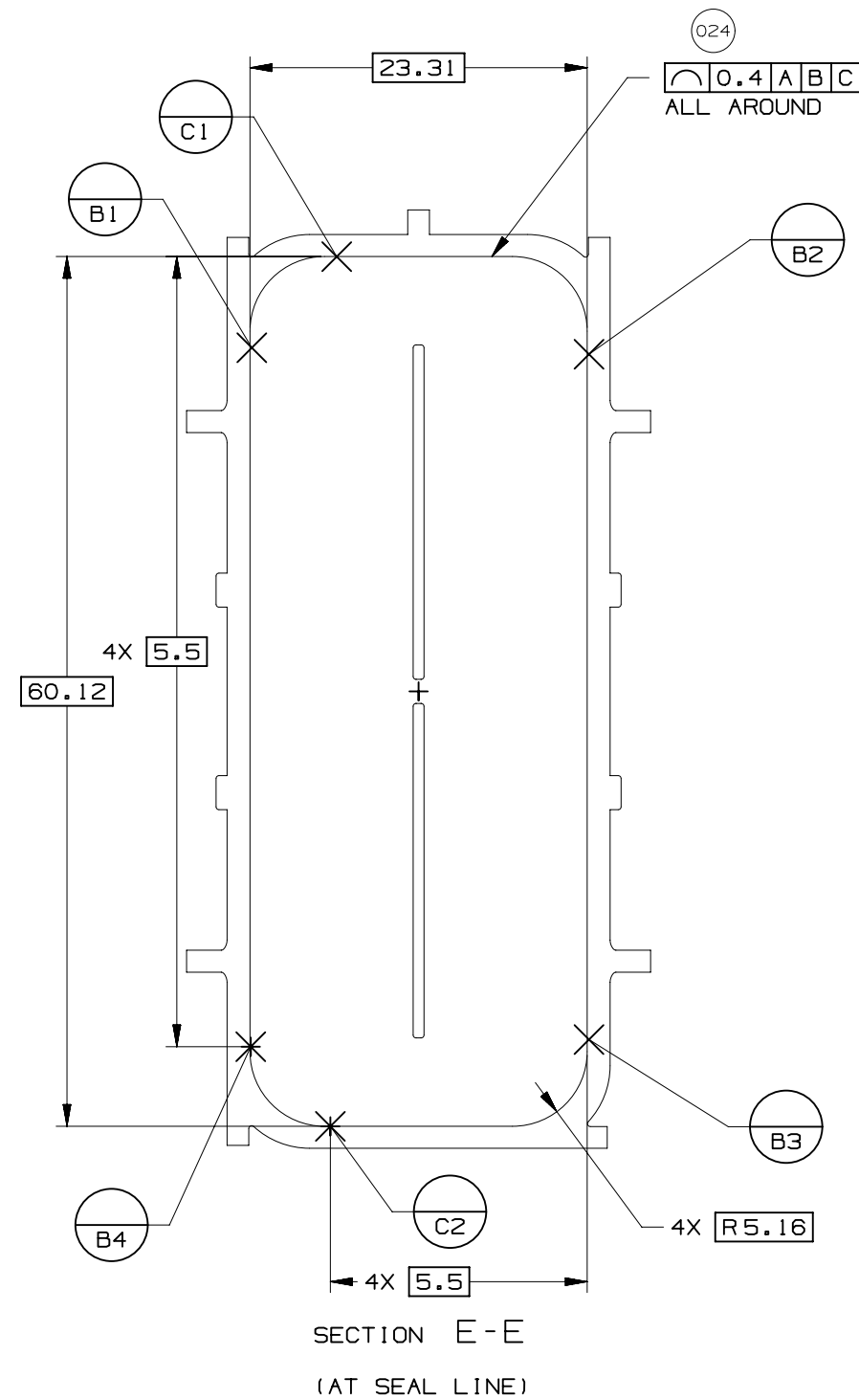
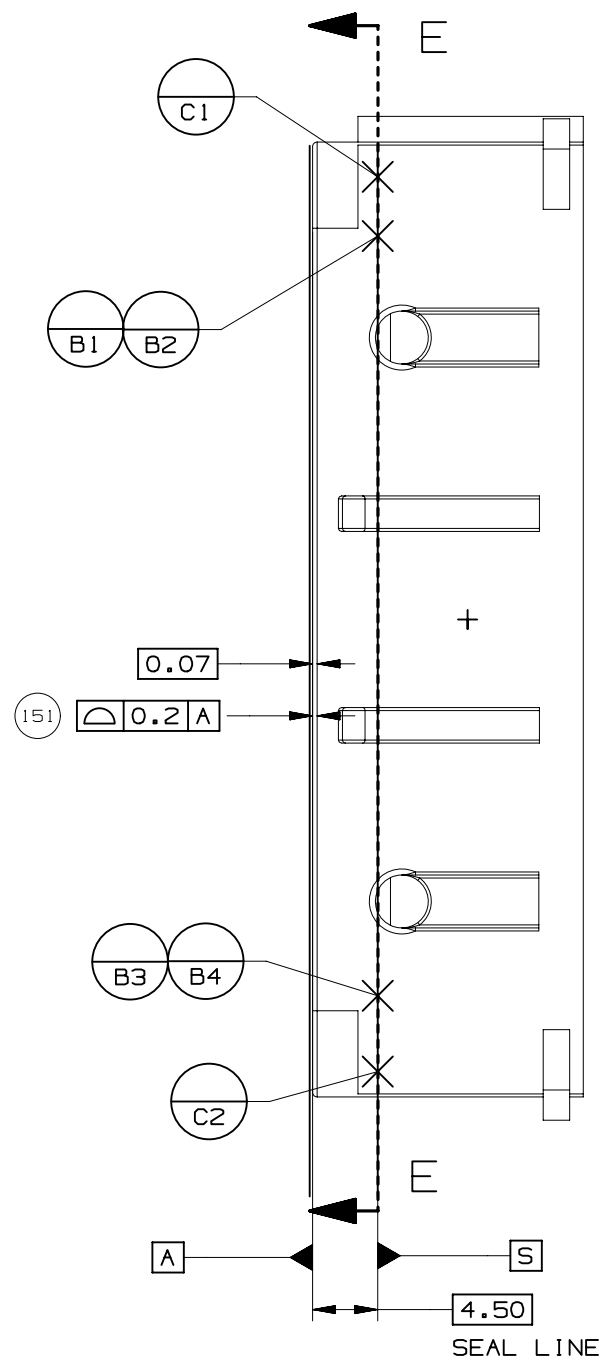
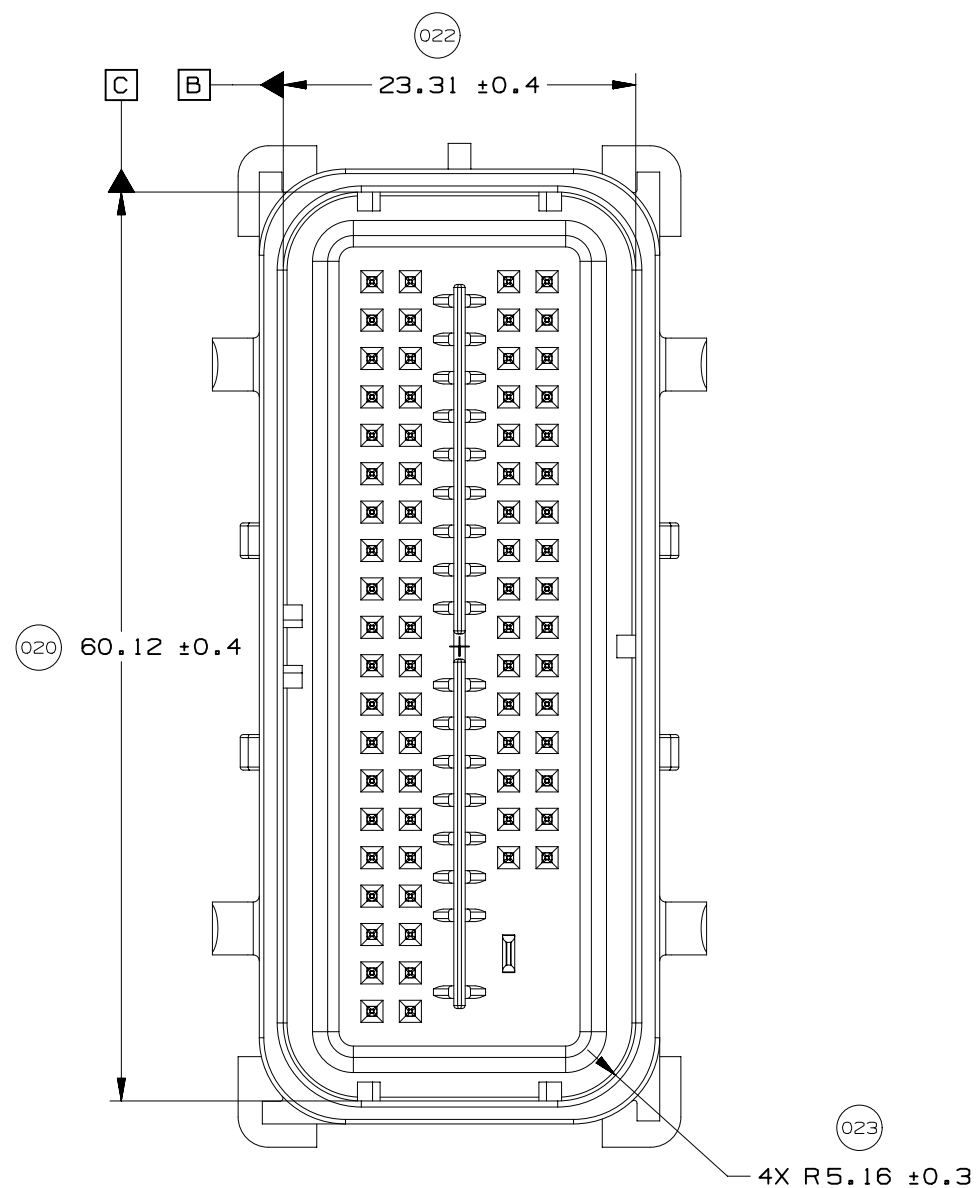
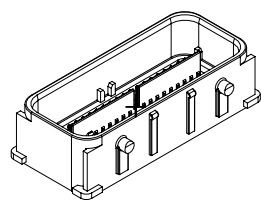




PAGE TITLE
CIRCUIT CONFIGURATIONS

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UNLESS SPECIFIED, TOLERANCE OF THE COMPONENT CONNECTOR INTERFACE TO BE $\sqrt[0.13]{A B C}$

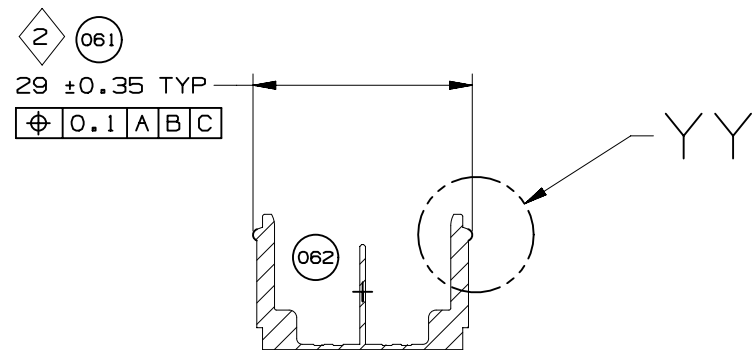
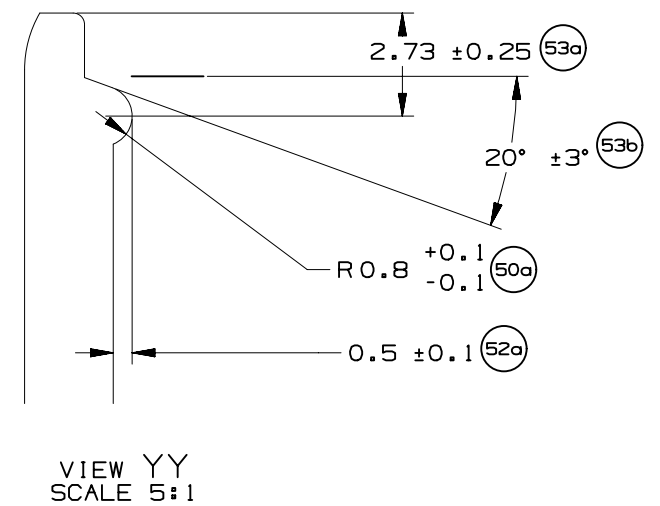
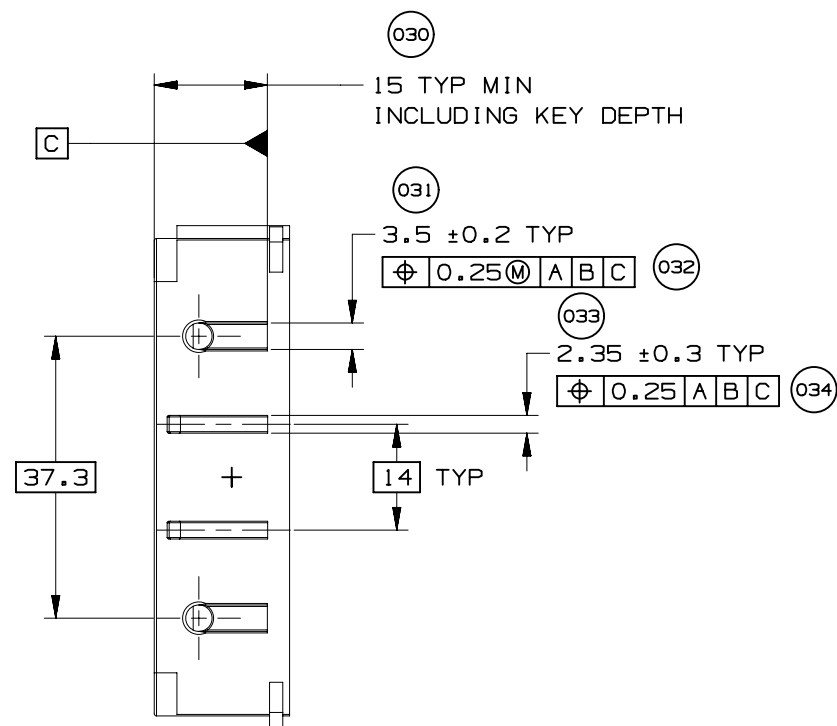
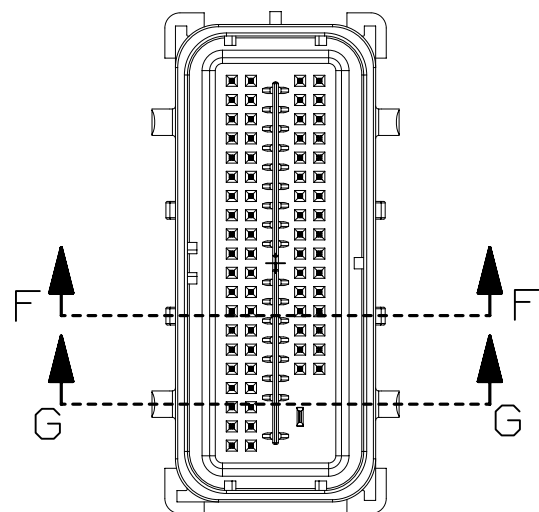


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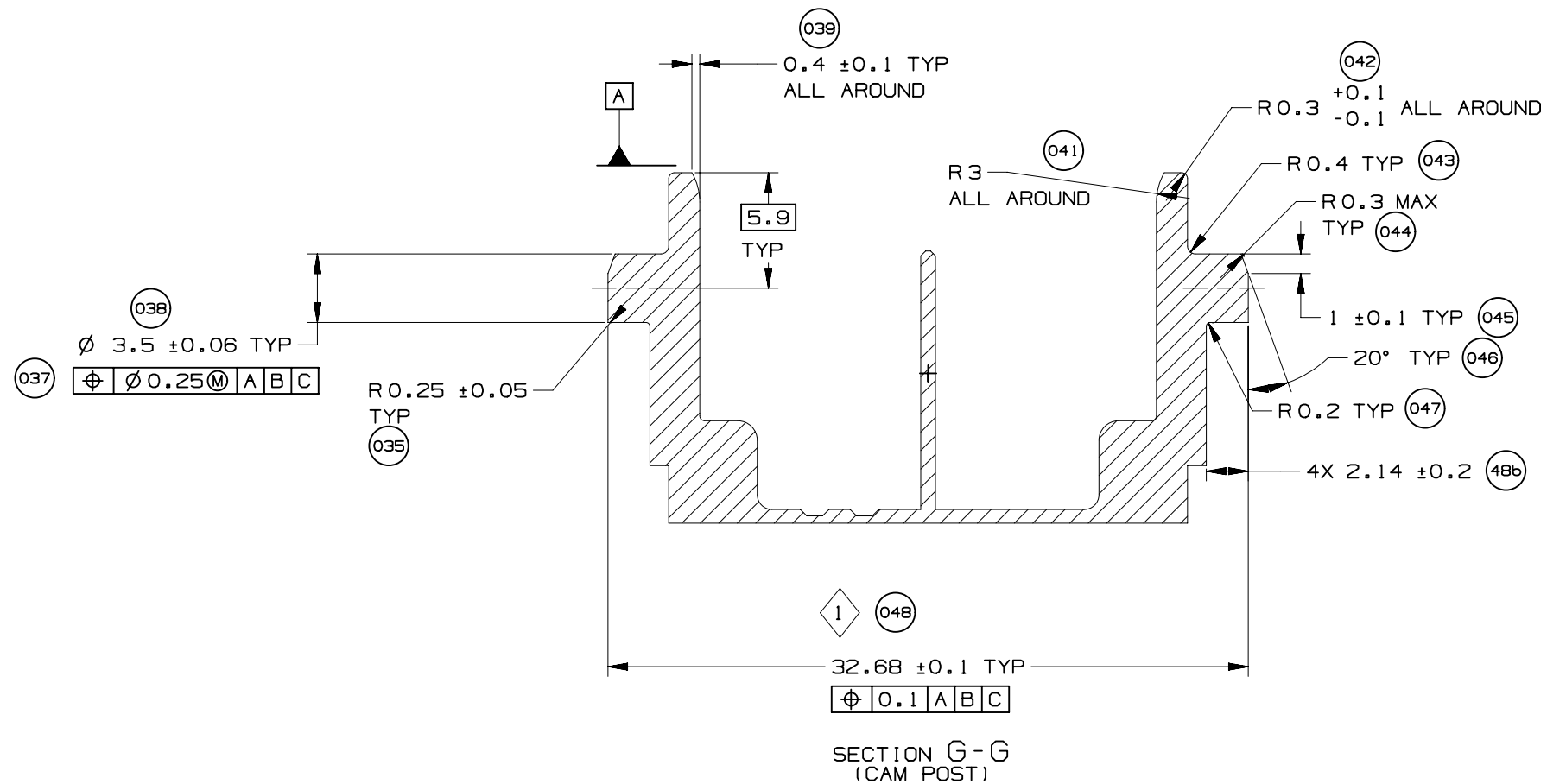
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SECTION F-F



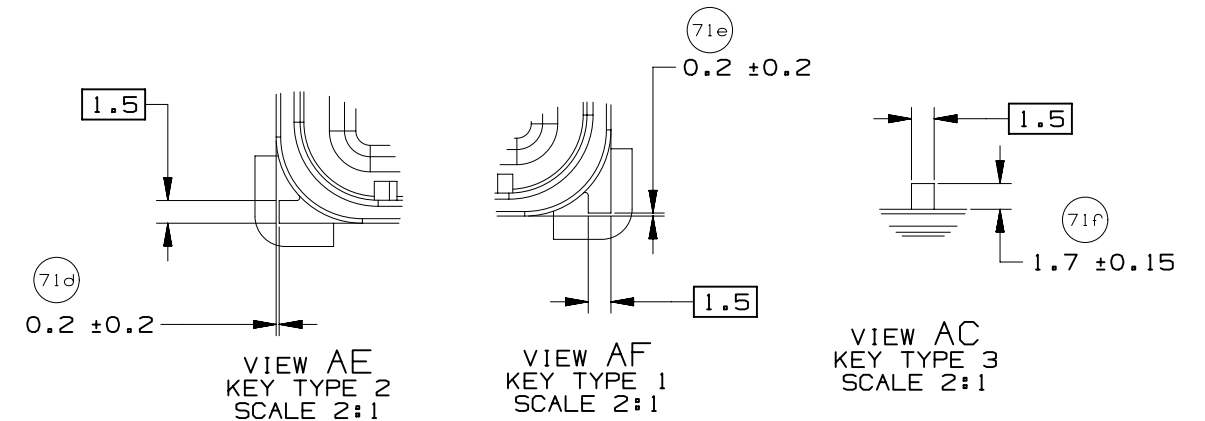
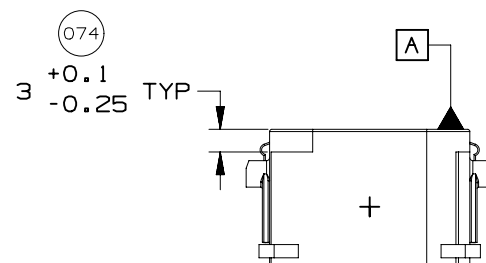
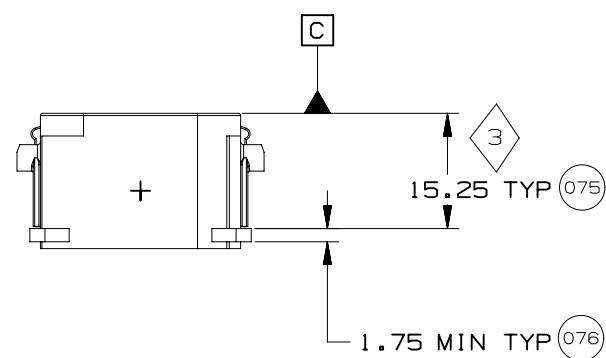
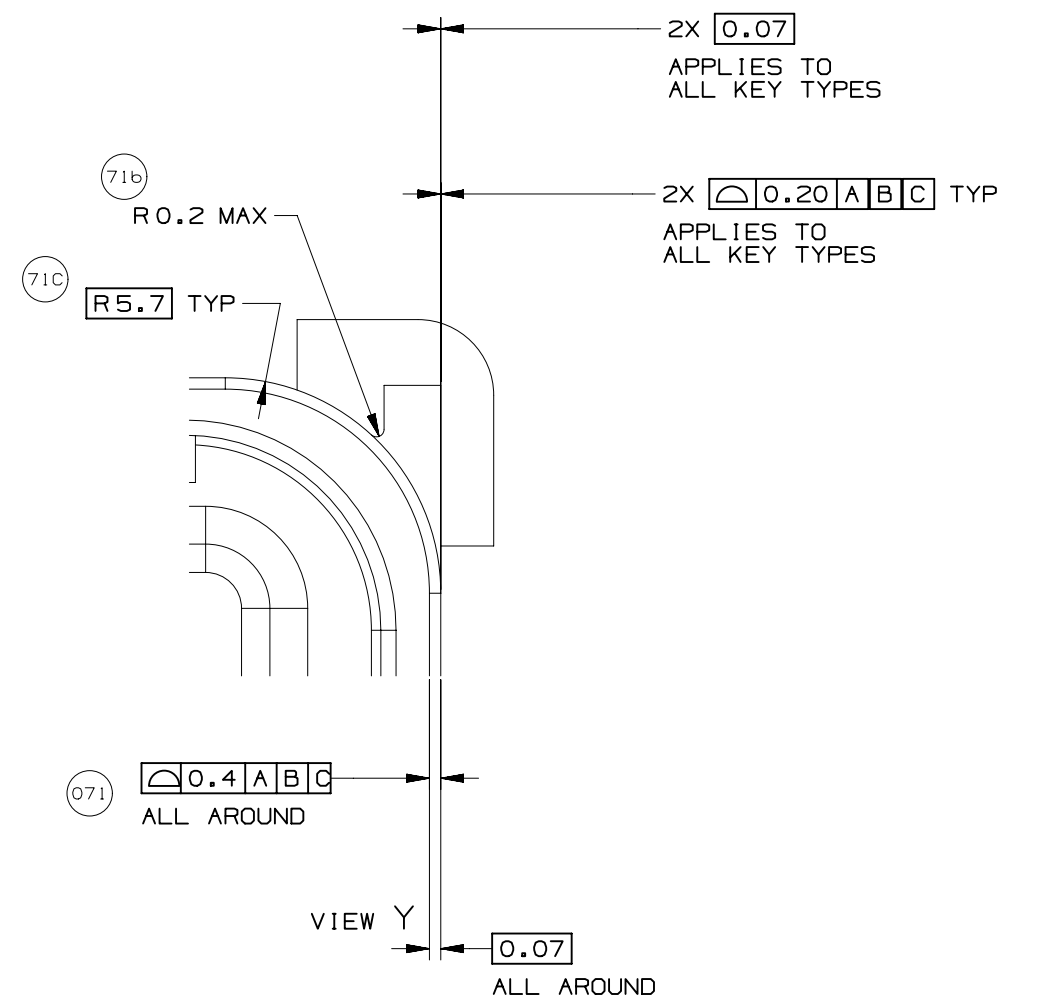
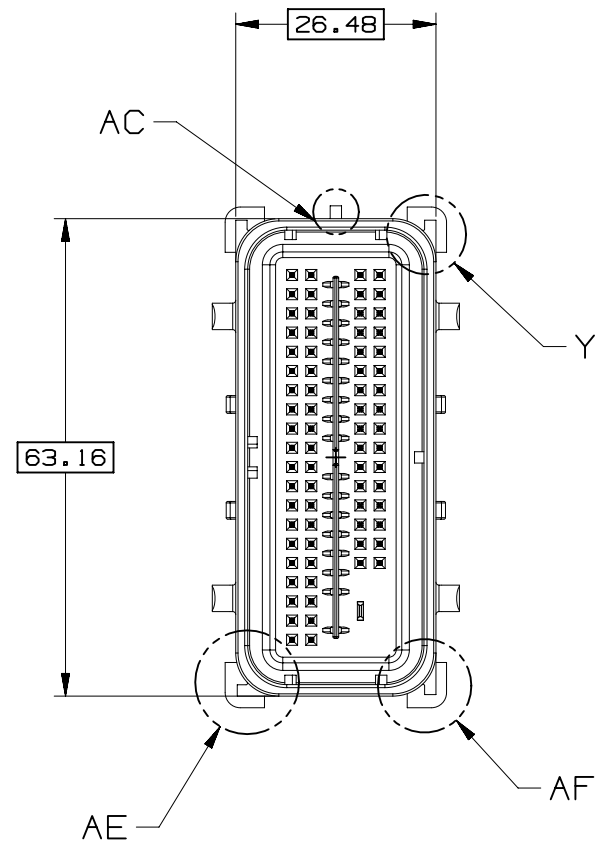
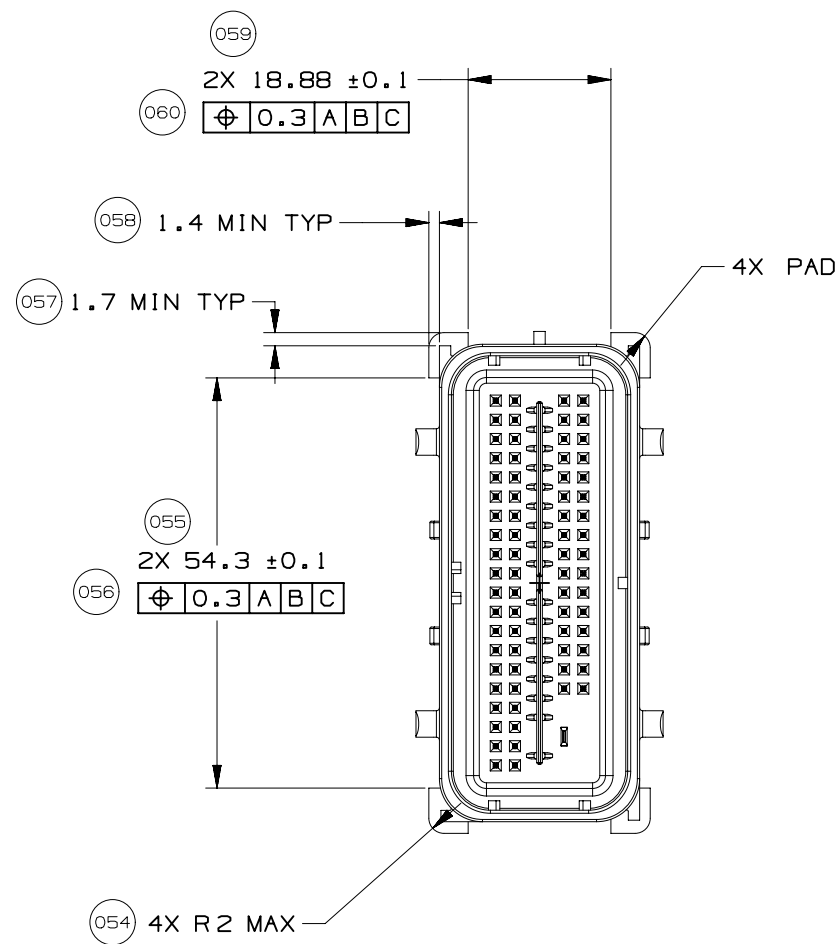
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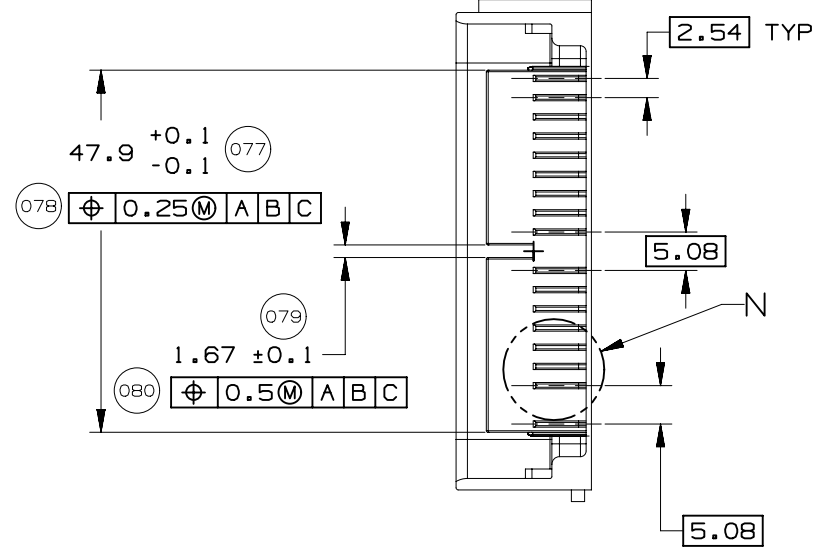
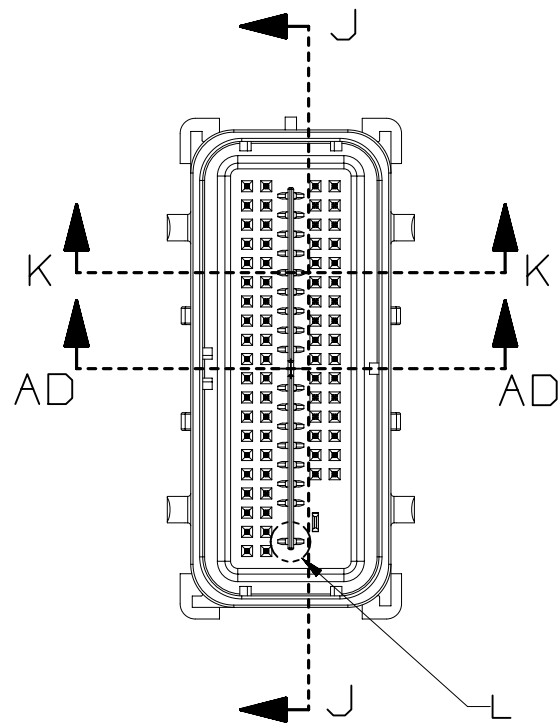
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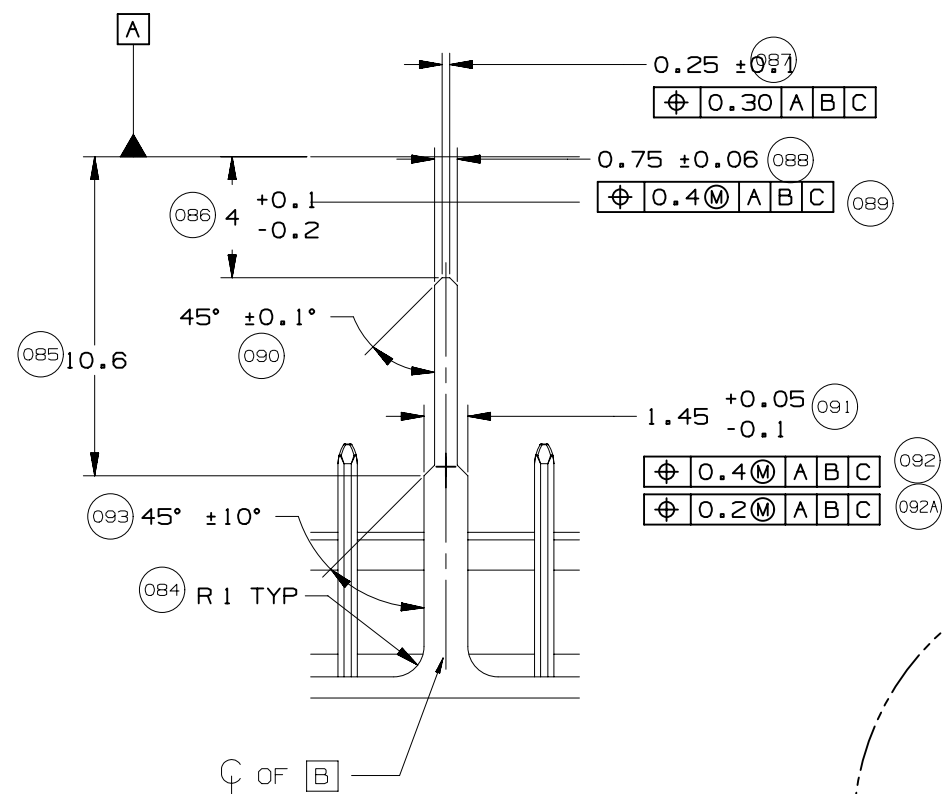
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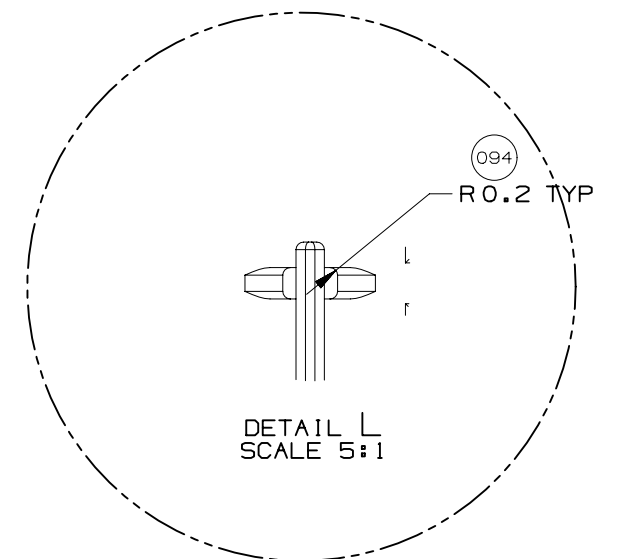
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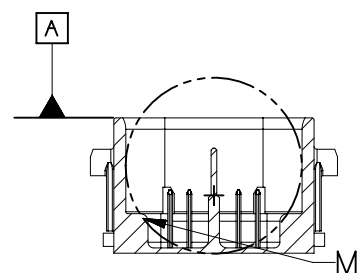
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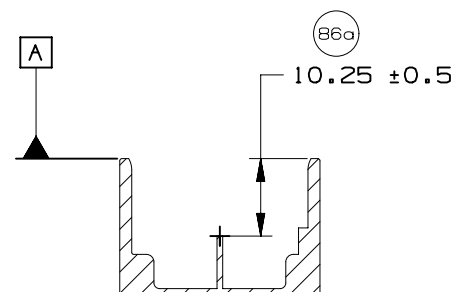
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TYPICAL
SCALE 4:1



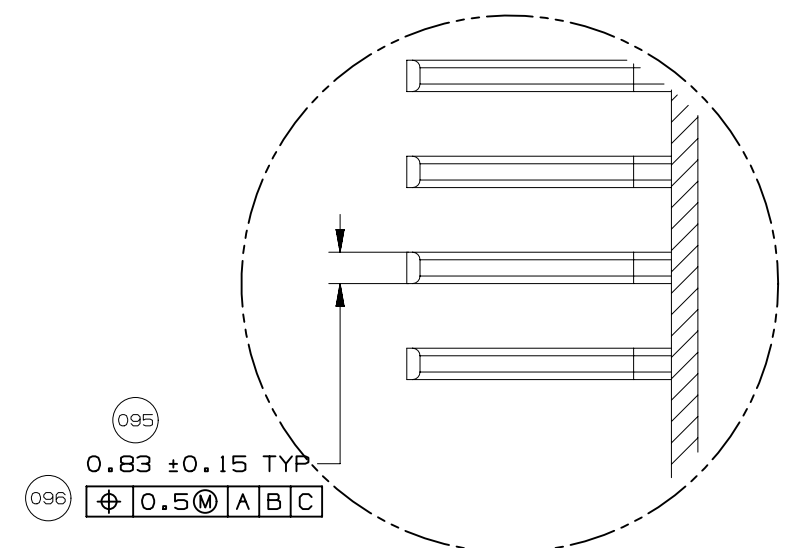
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SECTION K - K



SECTION AD - AD



DETAIL N
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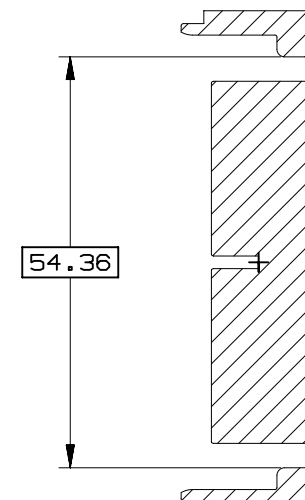
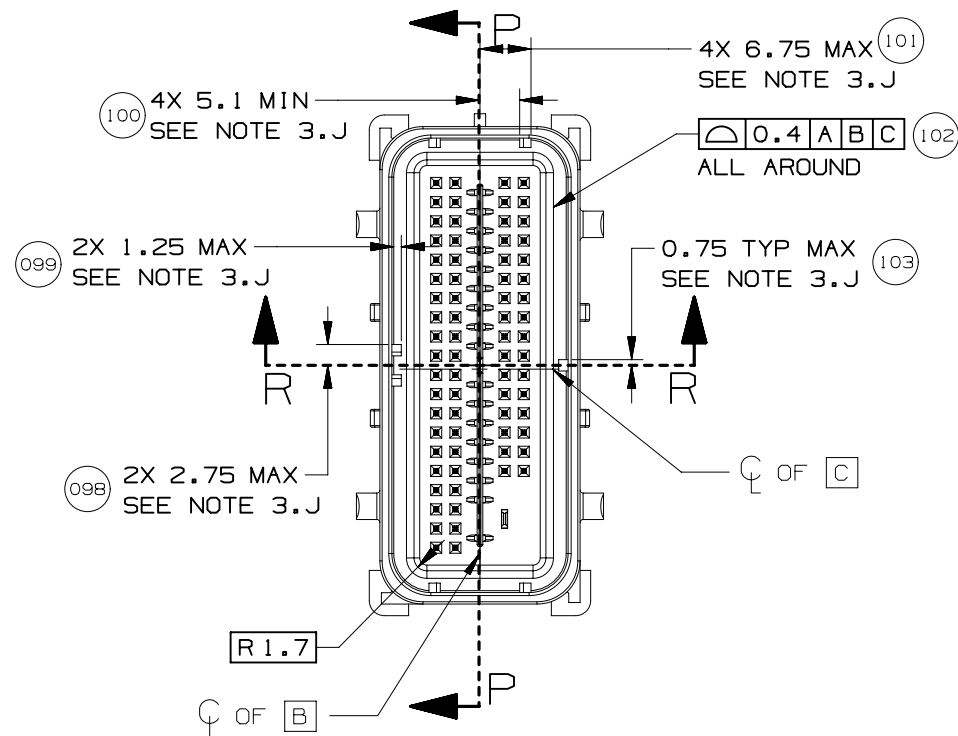


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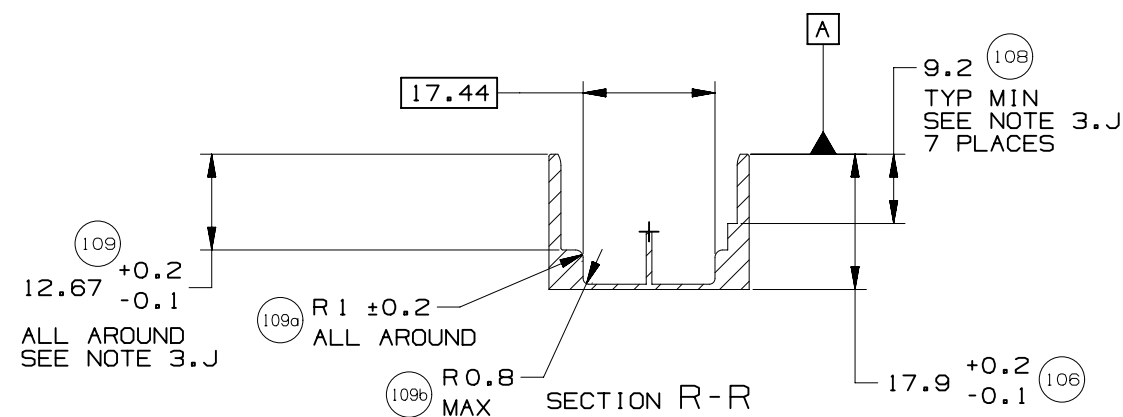
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SECTION P-P



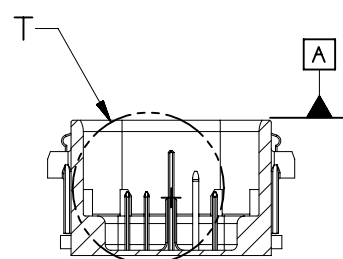
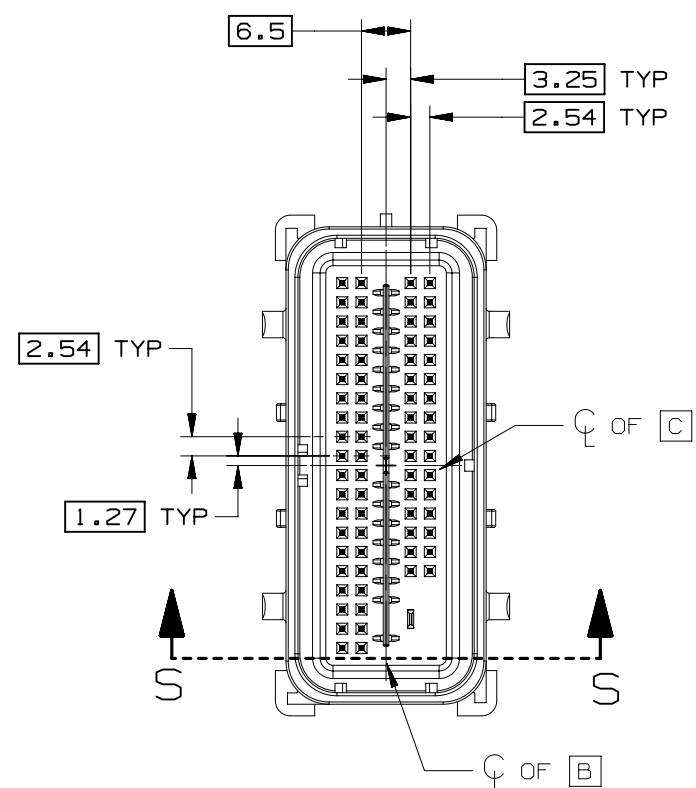
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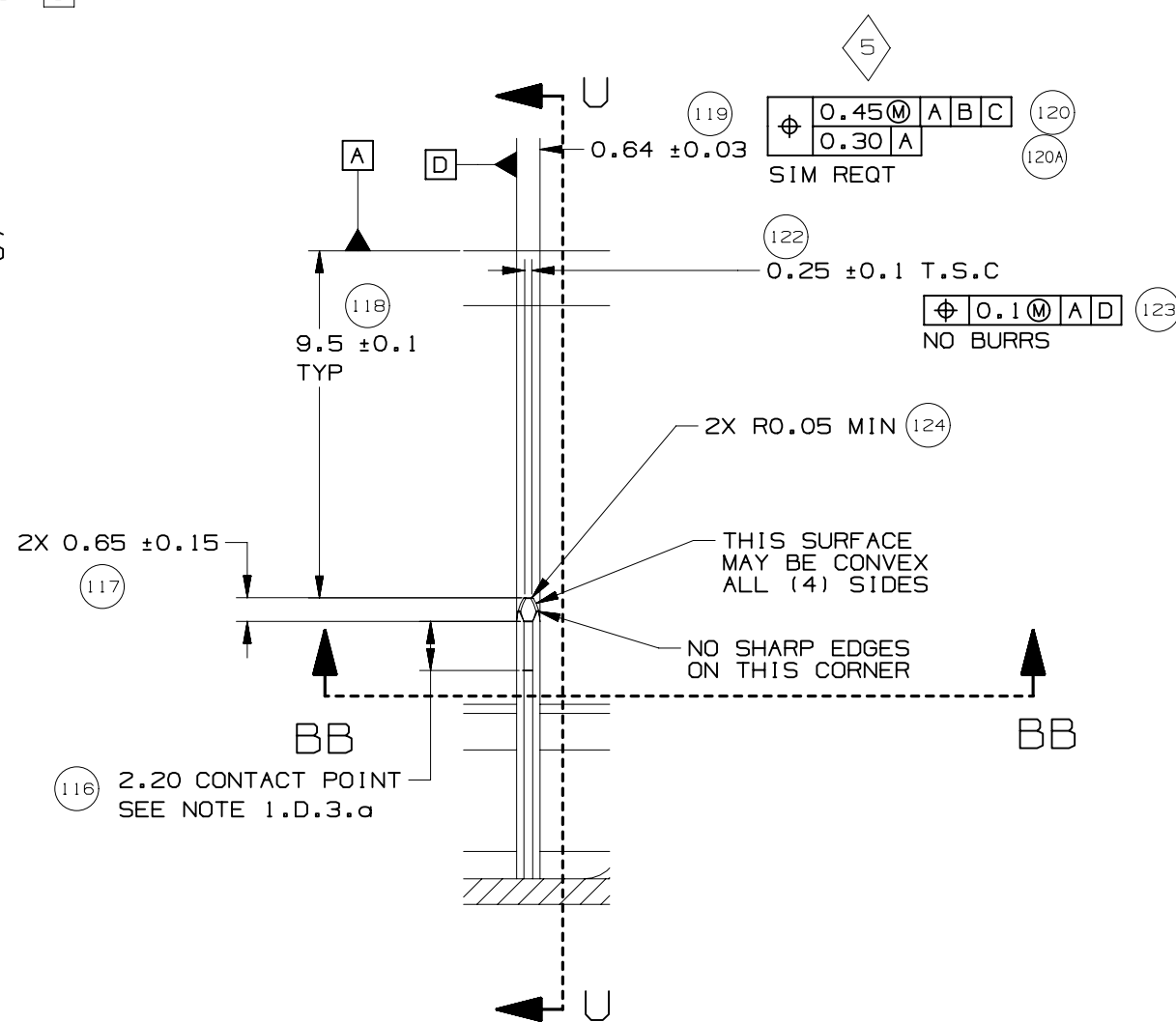
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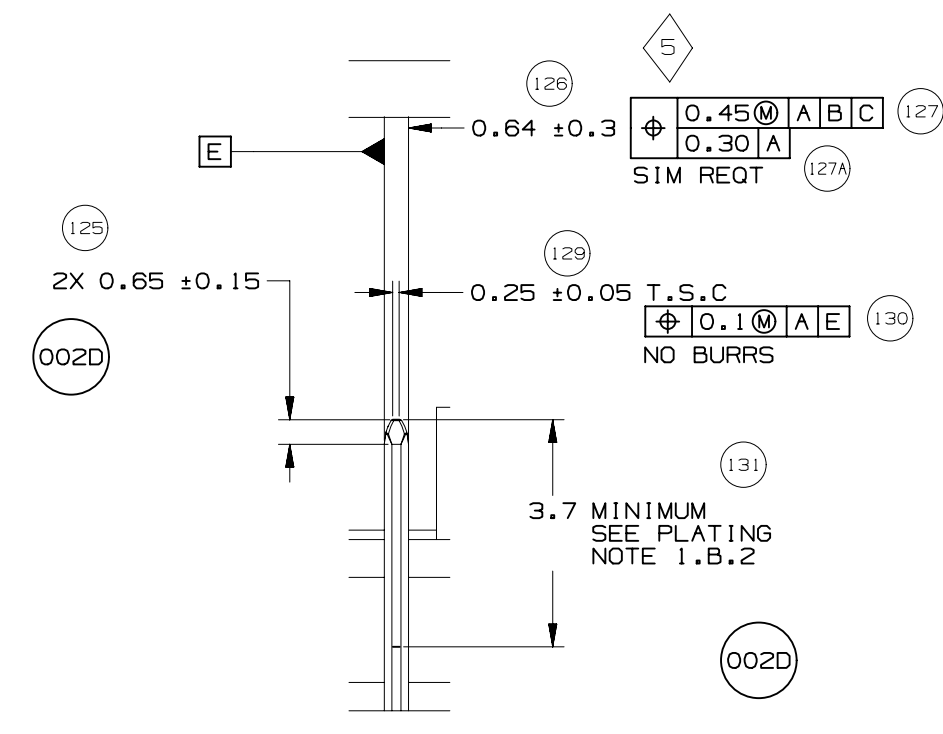


SECTION S-S



DETAIL T
TYPICAL
SCALE 5:1

SECTION BB-BB



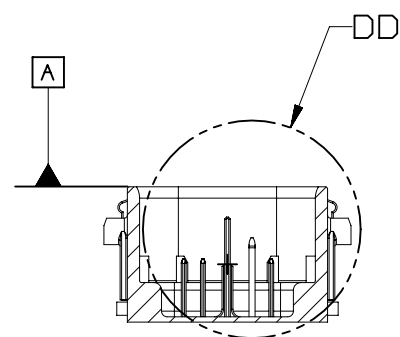
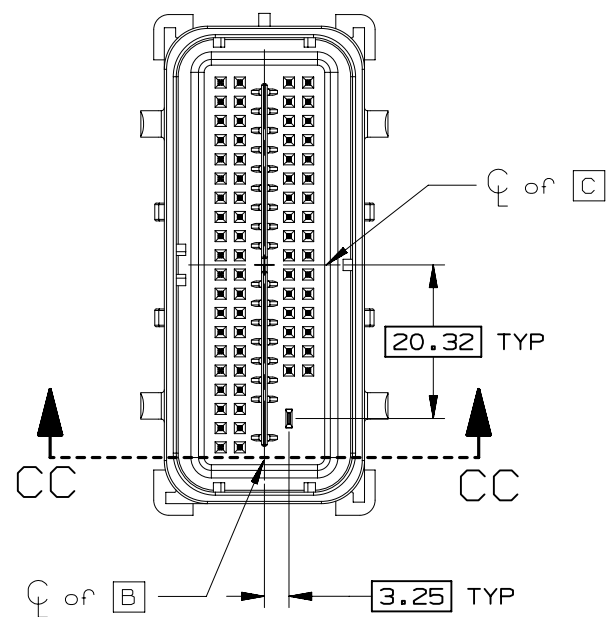
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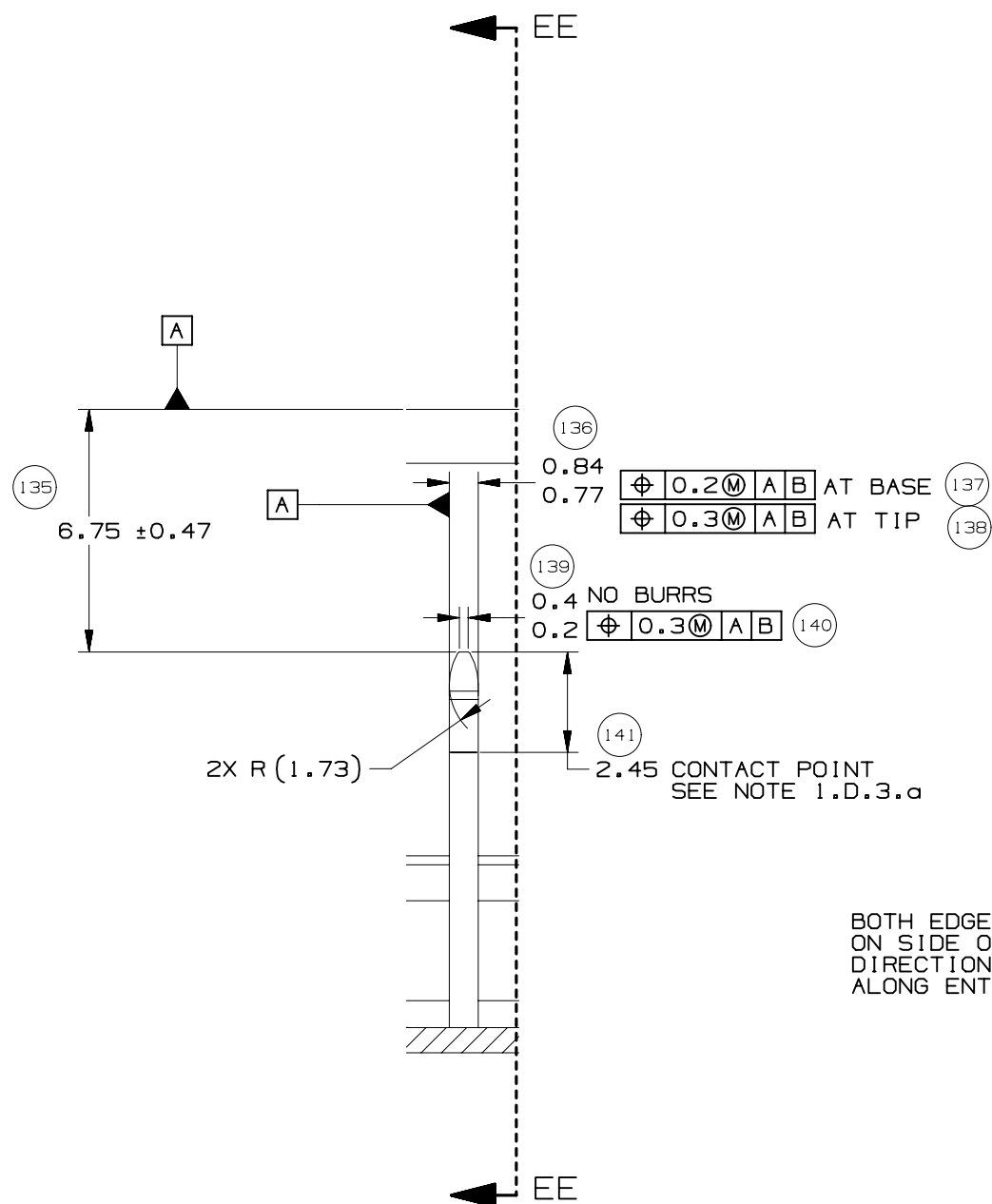
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SECTION CC-CC



DETAIL DD
TYPICAL
SCALE 5:1

BOTH EDGES COINED
ON SIDE OPPOSITE
DIRECTION OF PUNCH
ALONG ENTIRE LENGTH

SECTION EE-EE
TYPICAL



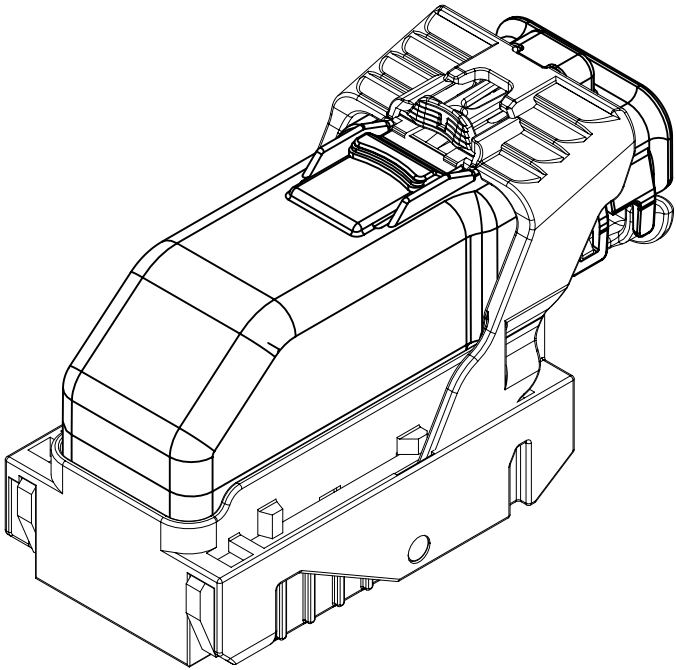
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ISO VIEW

		UNLESS OTHERWISE SPECIFIED: THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN A RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.			DATE			
		REFERENCE 12H (MOLEX AUTOMOTIVE)		DRAFTER		05JN15		
APVD1								
APVD2								
APVD3								
APVD4								
 CHANGE RESTRICTED NO MANUAL CHANGES		APVD5						
DO NOT SCALE		DRAWING NAME HARNESS CONN ASM-SEALED 52/66/73/80 CKTS,MX123						
METRIC DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED								
		DRAWING NUMBER 12672833		DWG STATUS			PAGE NUMBER 1 OF 22	
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					KEY PRODUCT CHARACTERISTICS (IN ACCORDANCE WITH QN 1805 OR QN 1050)								
					⊖ SAFETY/COMPLIANCE ◇ FIT/FUNCTION			TOTAL ON DRAWING		4			
								LAST NO. USED		4			
					NO	TYPE	DESCRIPTION		RATIONALE			PAGE/ZONE	
					1	F/F	32.68		IMPROVE CONNECTOR SYSTEM MATING			16	
2	F/F	29.00		INSURE PROPER RELEASE OF LEVER			16						
3	F/F	15.25		INSURE FINAL MATE POSITION			17						
4	F/F	POSITIONAL TOLERANCE (2 PLACES)		INSURE CONNECTOR SYSTEM MATEABILITY			20						
		PAGE TITLE KPC BLOCK				DRAWING NUMBER 12672833			DWG STATUS			PAGE NUMBER 4 OF 22	
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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:

1. 30% G.F. PBT; 20% MAX. (BY WEIGHT) REGRIND.

2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.

3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY >= 28% IACS AT 20°C; TENSILE STRENGTH >= 635 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).

3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 28% IACS AT 20°C; TENSILE STRENGTH >= 350 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 µm ELECTRODEPOSITED TIN, MATTE FINISH OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. PLATING REQUIREMENTS:

1. SILVER PLATING

α. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.

2. NICKEL PLATING

α. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.

b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.

c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.

d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURITY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.

3. TESTING

α. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).

b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- B. TOLERANCES:

1. LINEAR

0.X ± 0.30

0.XX ± 0.10

0.XXX ± 0.10

2. ANGULAR

X° ± 3°

3.

1.0

A

B

C
- C. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.
- D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- E. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.
- F-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.
- F-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.
- G. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP

1. MATERIAL #: XXXXX-XXXX

2. DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)

3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
- B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.
- C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
- D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
- E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.
- F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.
- H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.
- K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.
- L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARENCE.
- M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.

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NOTES: UNLESS OTHERWISE SPECIFIED

4. SYSTEM REQUIREMENTS:

- A. HARNESS CONNECTOR IS COMPATIBLE WITH THE FOLLOWING ISO WIRE SIZE NO'S:
0.35mm2, MEETING GMW15626 - MIN OD OF 1.30MM
0.50mm2, MEETING GMW15626
0.75mm2, MEETING GMW15626 - MAX OD OF 2.06MM
- B. CABLE TIE SPECIFICATIONS:
1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON
2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1
- C. WHEN MATED WITH COMPONENT CONNECTOR INTERFACE AND/OR DRESS COVER, HARNESS CONNECTOR SYSTEM CONFORMS TO THE FOLLOWING:
1. SAE/USCAR-2, REV: 3 APRIL, 2001; CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV. 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3, SEALING CLASS 1, VIBRATION CLASS 2
4. RESTRICTED AND REPORTABLE CHEMICALS PER GMW #3059, REV: D AUGUST 2002
5. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N
- D. WIRE SPECIFICATIONS:
1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

5. TERMINAL CURRENT RATINGS:

- A. MX64 RCPT TERM
ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

1. MX64 RCPT TERM Ag 0.50/0.75mm2 CRIMPED TO 0.75mm2 ISO WIRE AND MATED TO MX123 0.64MM PIN: SEE TABLE BELOW
2. MX64 RCPT TERM Ag 0.35mm2 CRIMPED TO 0.35mm2 ISO WIRE AND MATED TO MX123 0.64MM PIN: SEE TABLE BELOW

WIRE	CURRENT RATING			
	23°C	85°C	105°C	125°C
0.75mm2	11.3A	11.3A	9.5A	6.6A
0.50mm2	10.0A	10.0A	8.3A	5.7A
0.35mm2	8.5A	8.5A	7.1A	5.0A

- B. 2.8MM RCPT TERM
ALL TESTING DONE IN ACCORDANCE WITH MOLEX DVP&R 0279 (TR # 7125)

1. 2.8MM RCPT TERM TIN 2.0mm2 CRIMPED TO 2.0mm2 ISO WIRE AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS AT 125° C

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS - SEE GM DRAWING 13507496

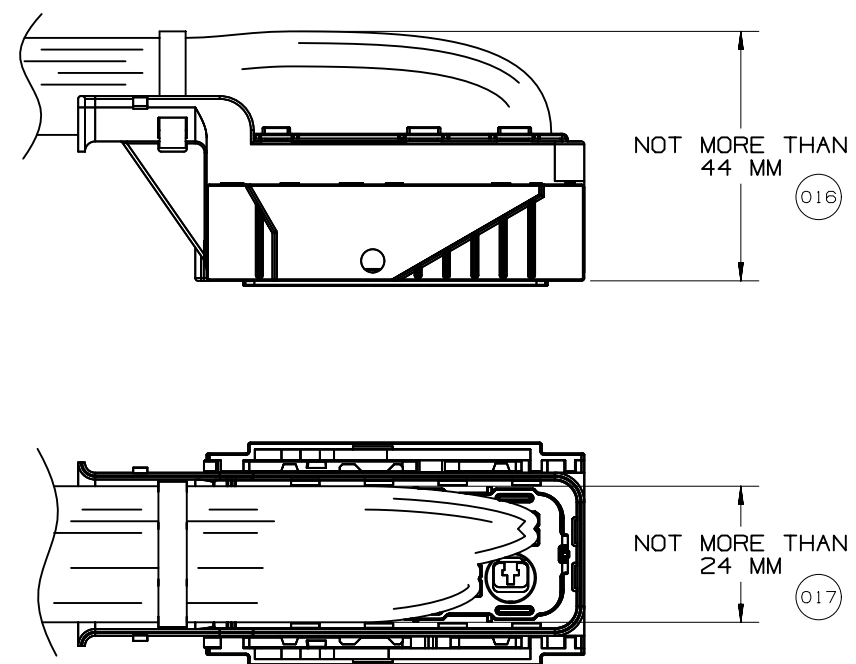
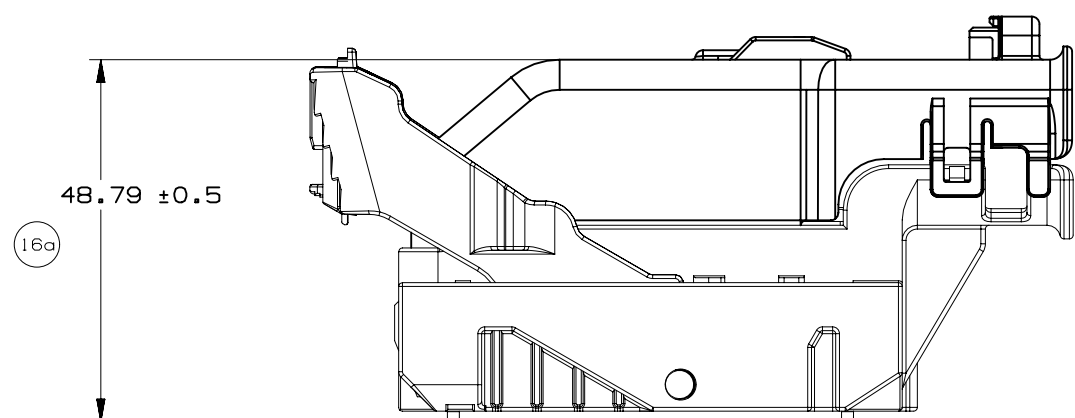
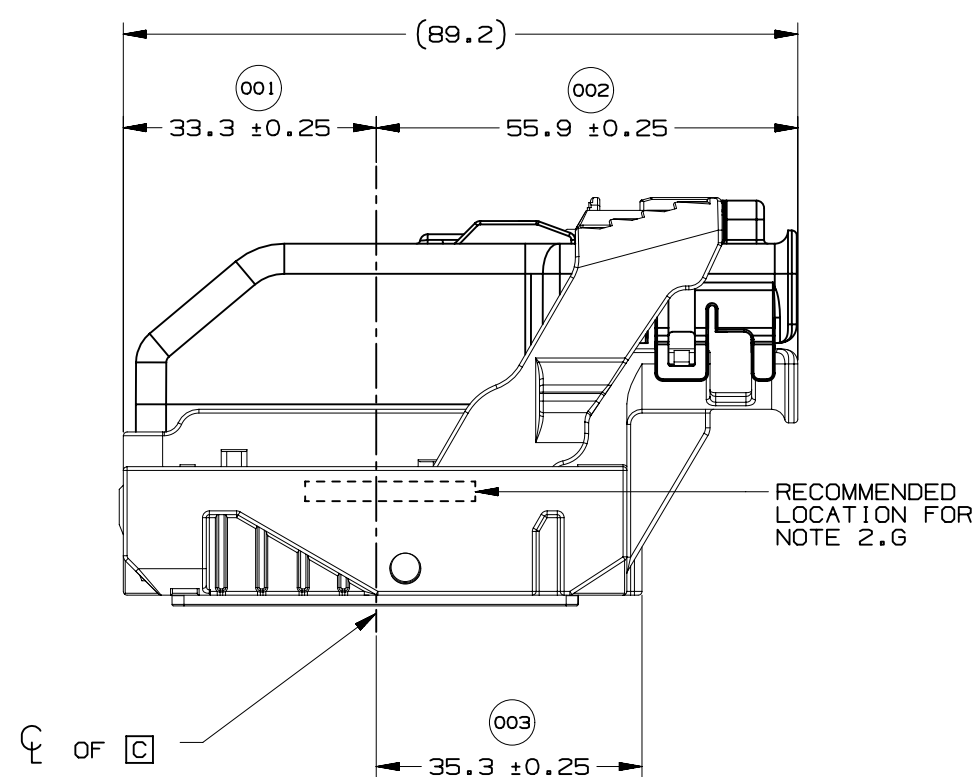
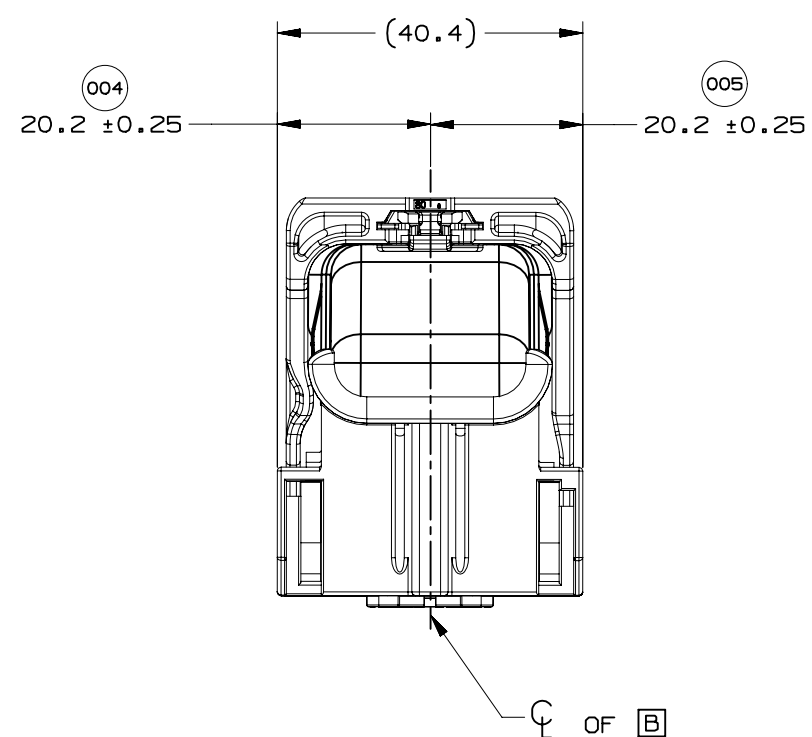


Fig. 1

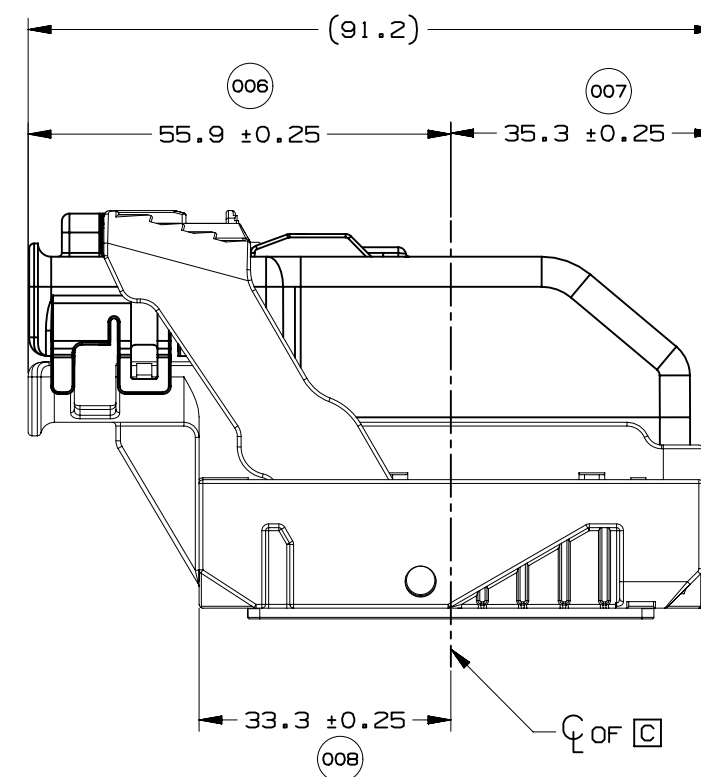




WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN

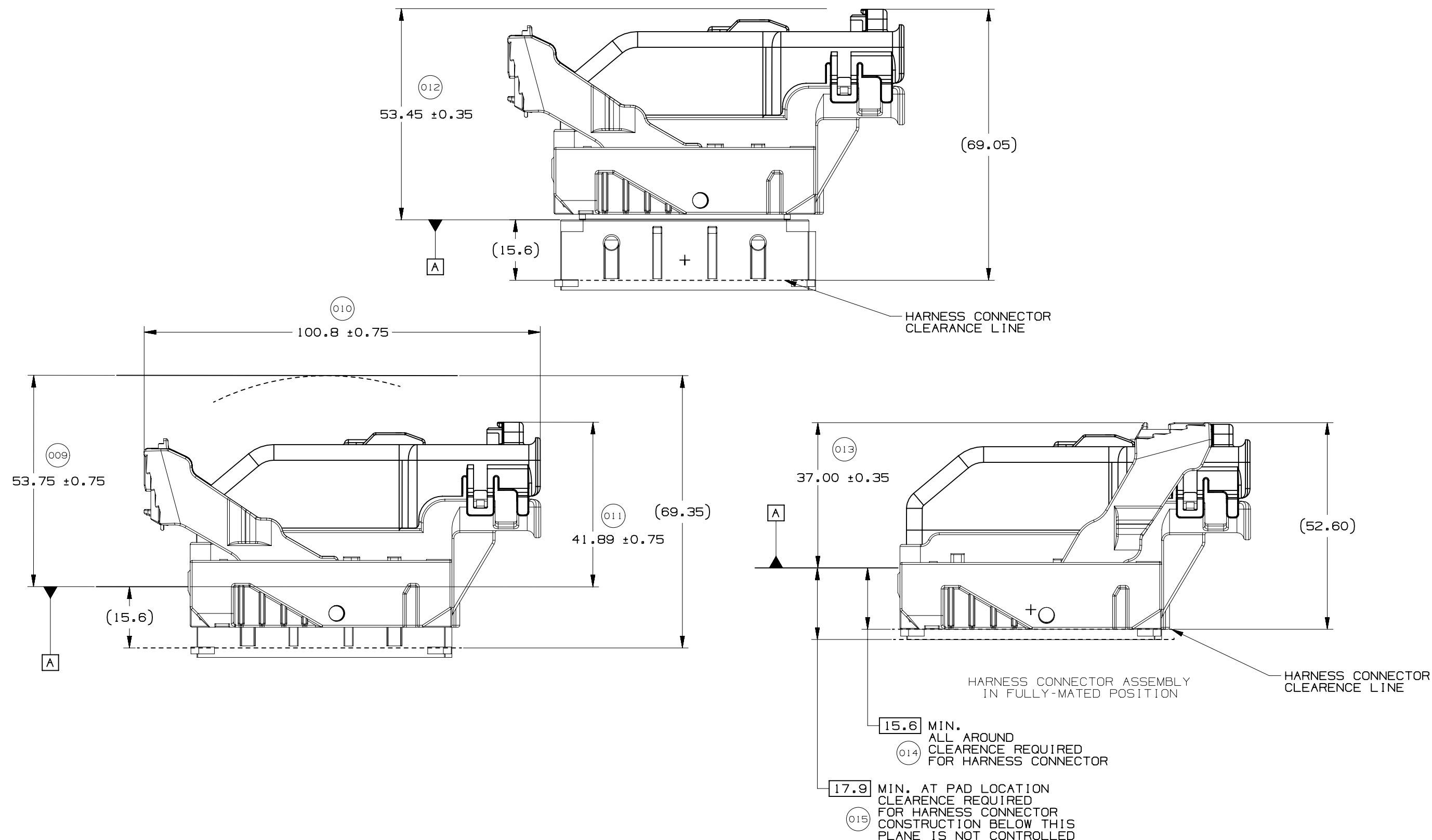


PAGE TITLE
 LOCATION AND PACKAGING DIMENSIONS
 REFERENCING INTERFACE DATUMS B & C

DRAWING NUMBER
 12672833

DWG STATUS		
ST	REV	PD1
R	001	

PAGE NUMBER
 9 OF 22



PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUM A

DRAWING NUMBER

12672833

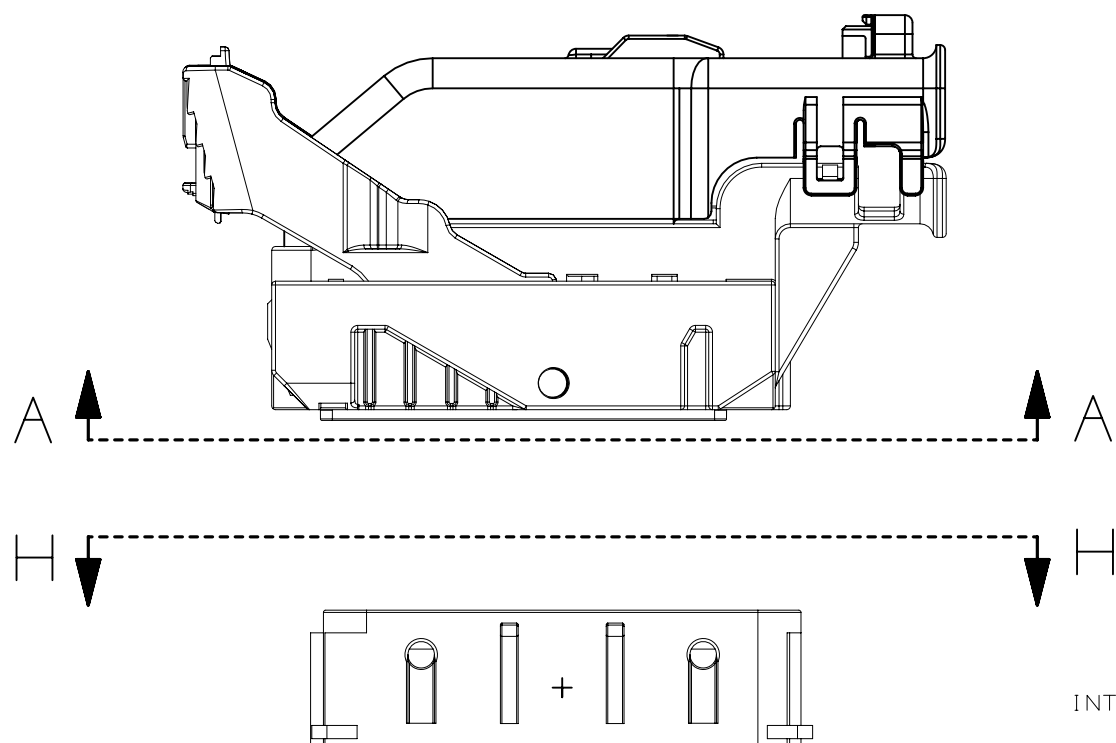
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ST REV PDI

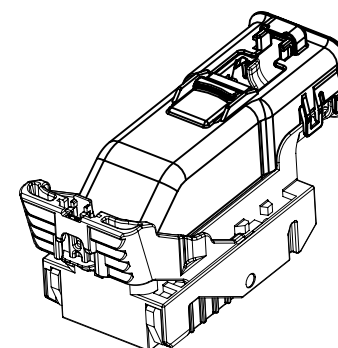
R 001

PAGE NUMBER

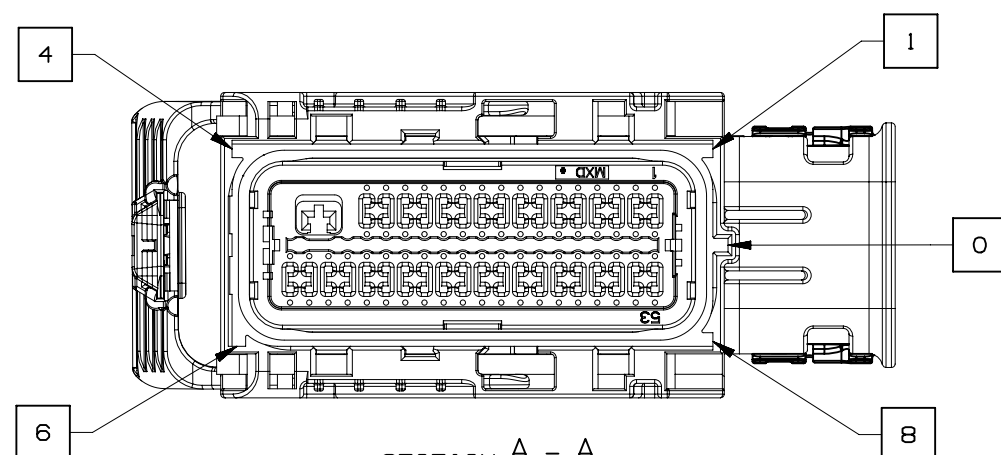
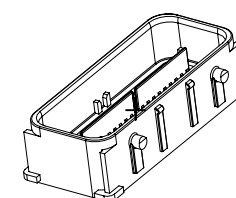
10 OF 22



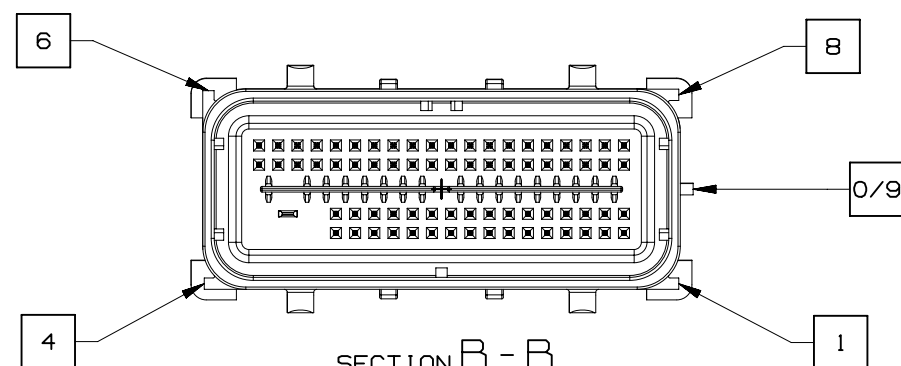
INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



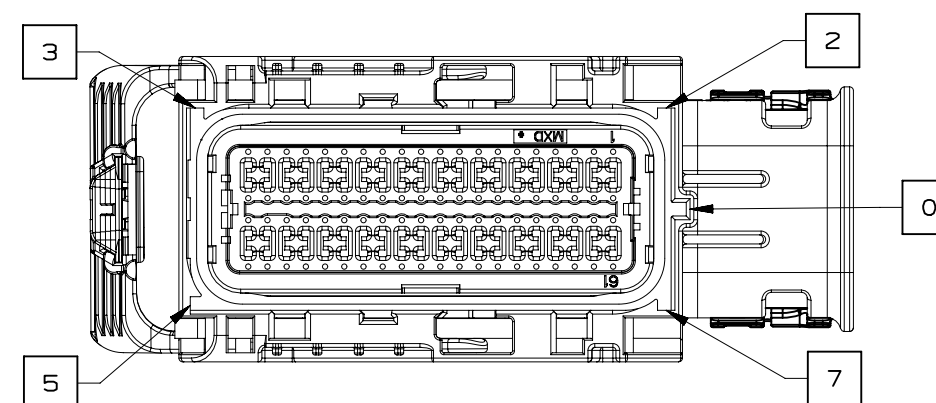
NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



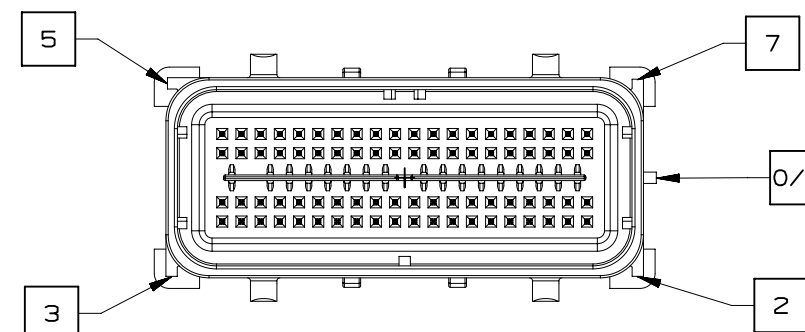
SECTION A - A
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



SECTION B - B
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



SECTION A - A
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



SECTION B - B
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



PAGE TITLE

KEY ID REF - WIRE DRESS OPTION 0

DRAWING NUMBER

12672833

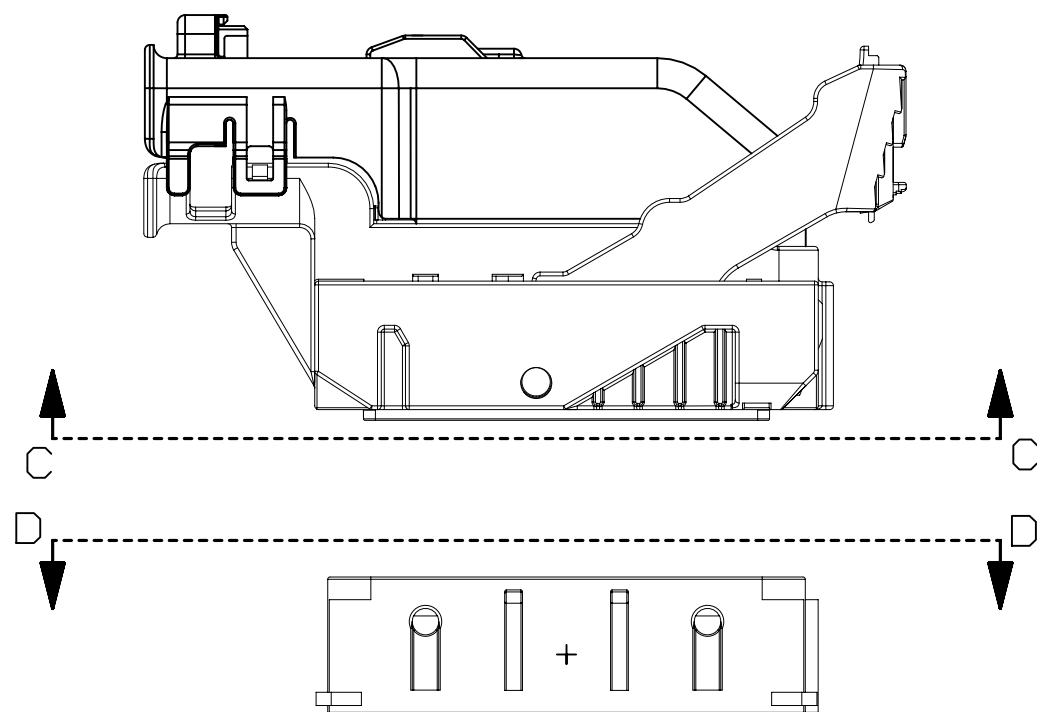
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ST REV PDI

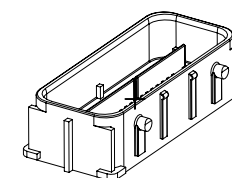
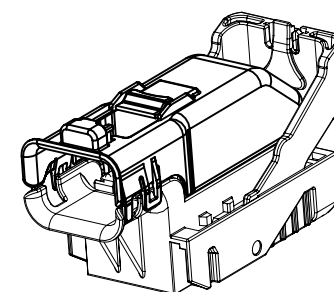
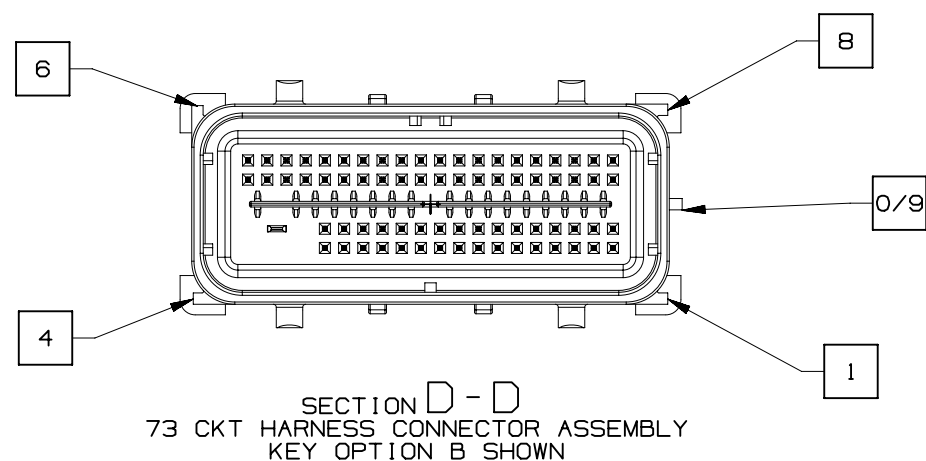
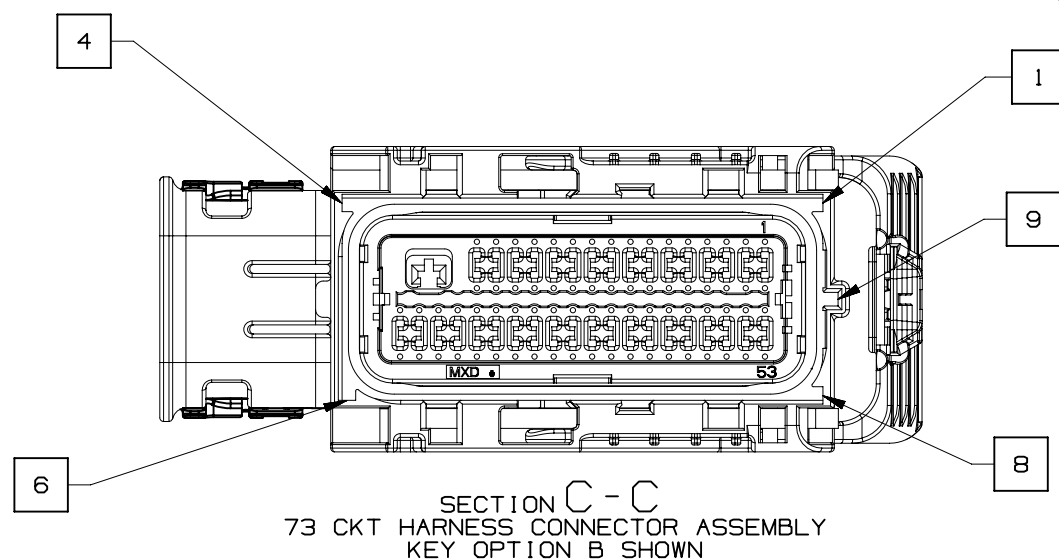
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PAGE NUMBER

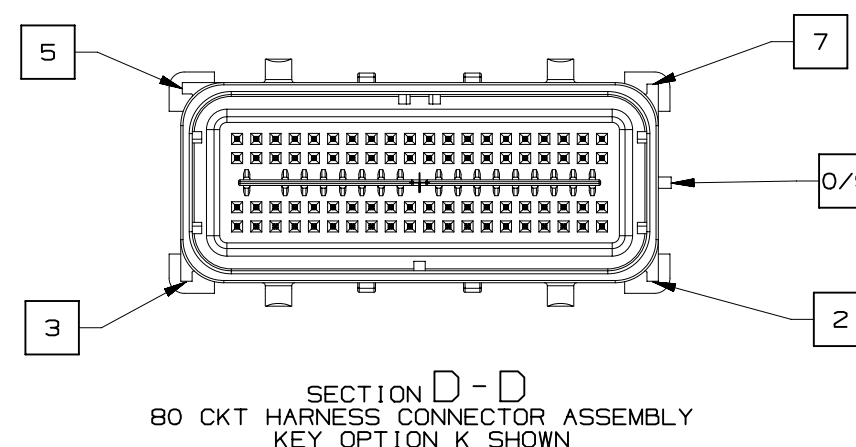
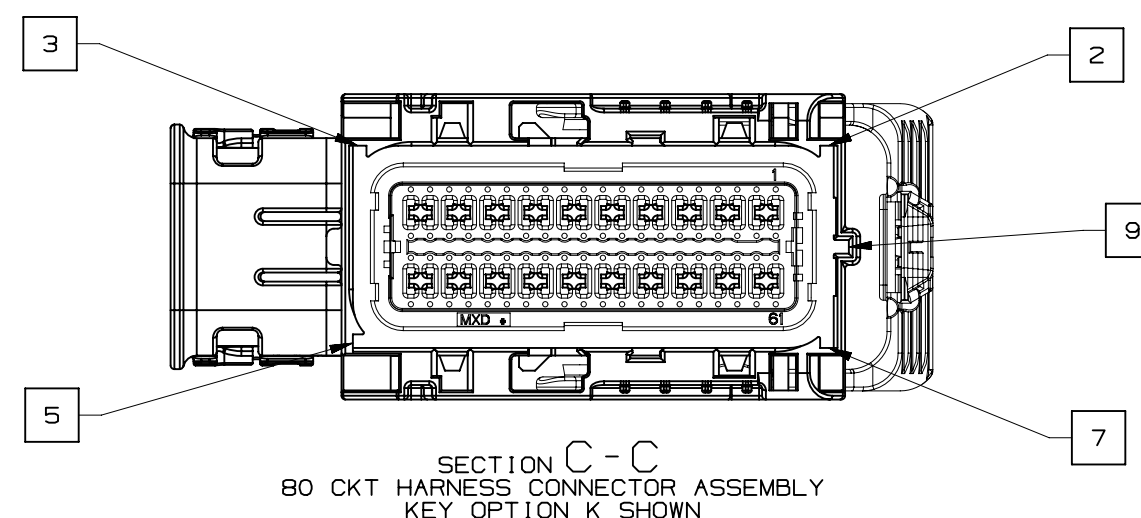
11 OF 22



INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

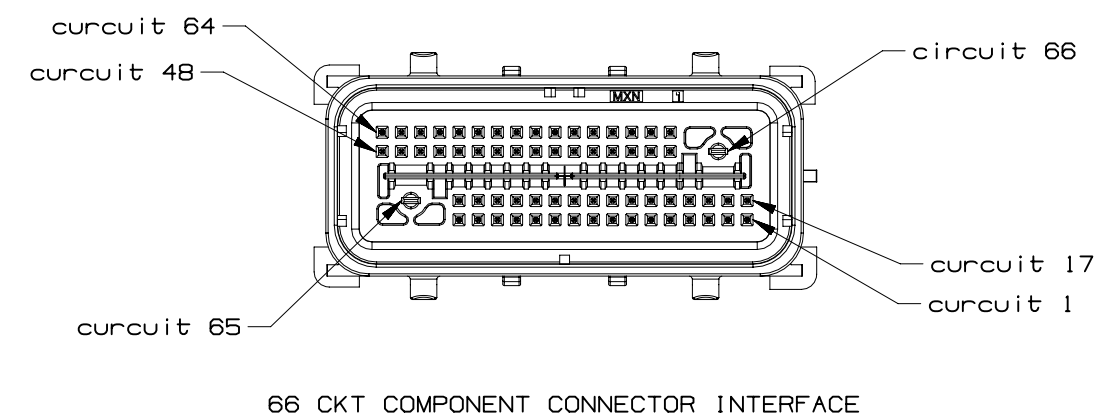
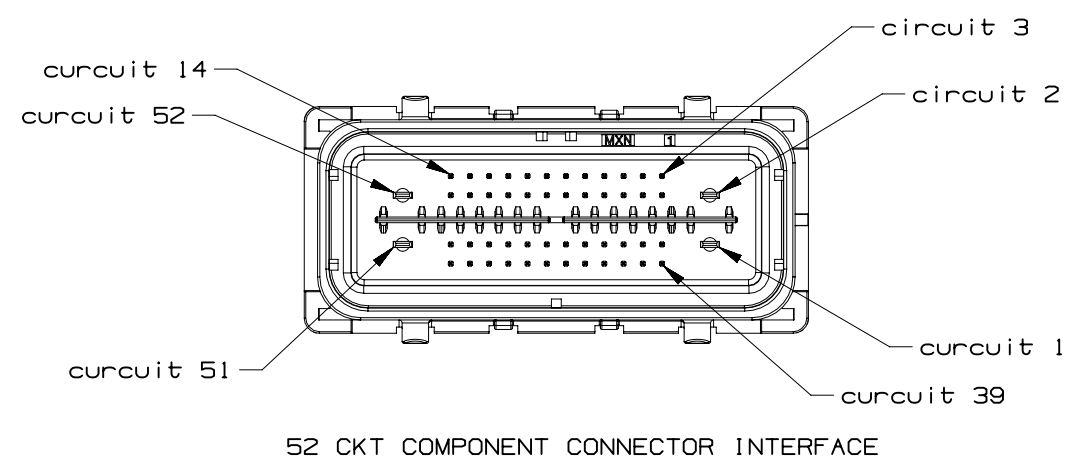
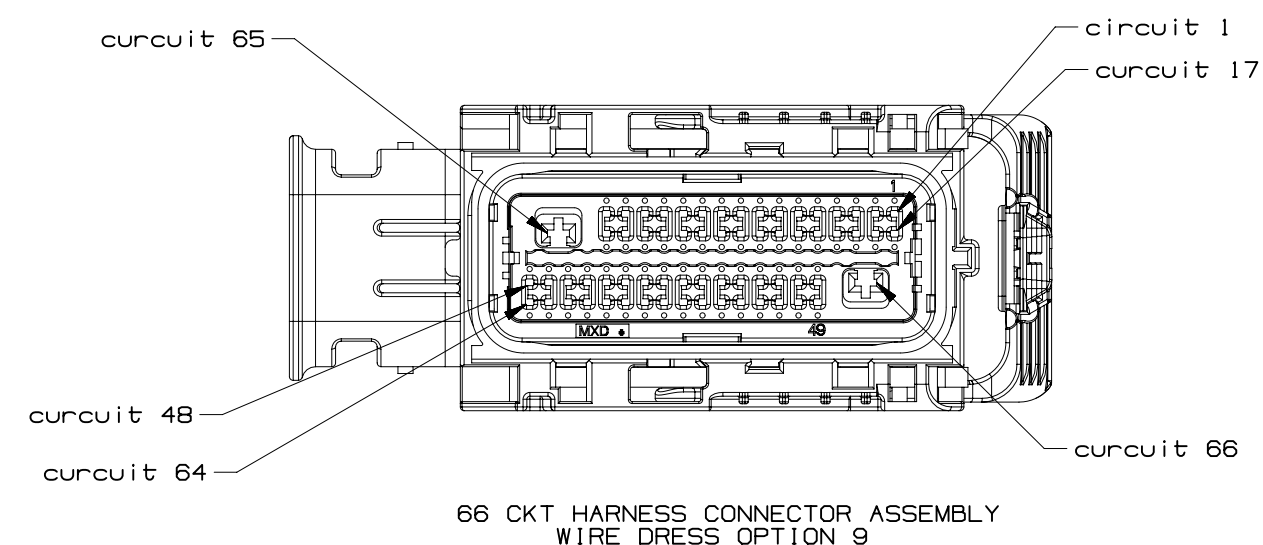
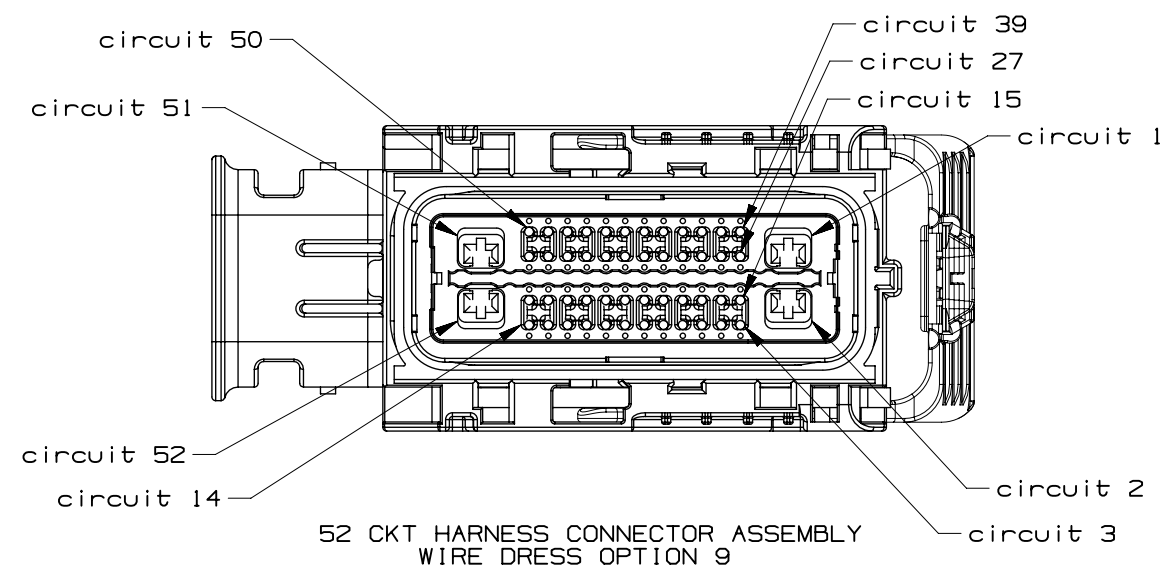
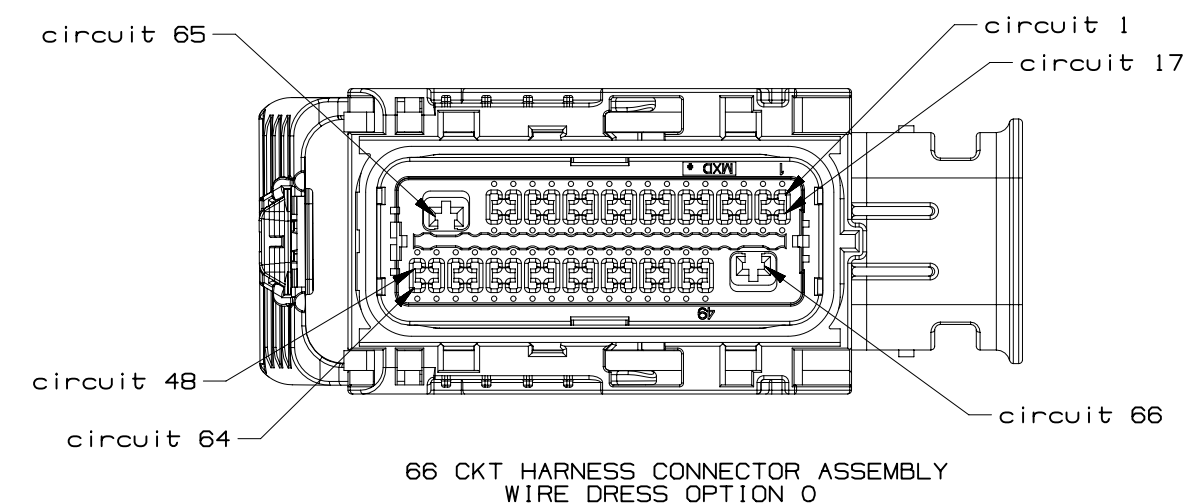
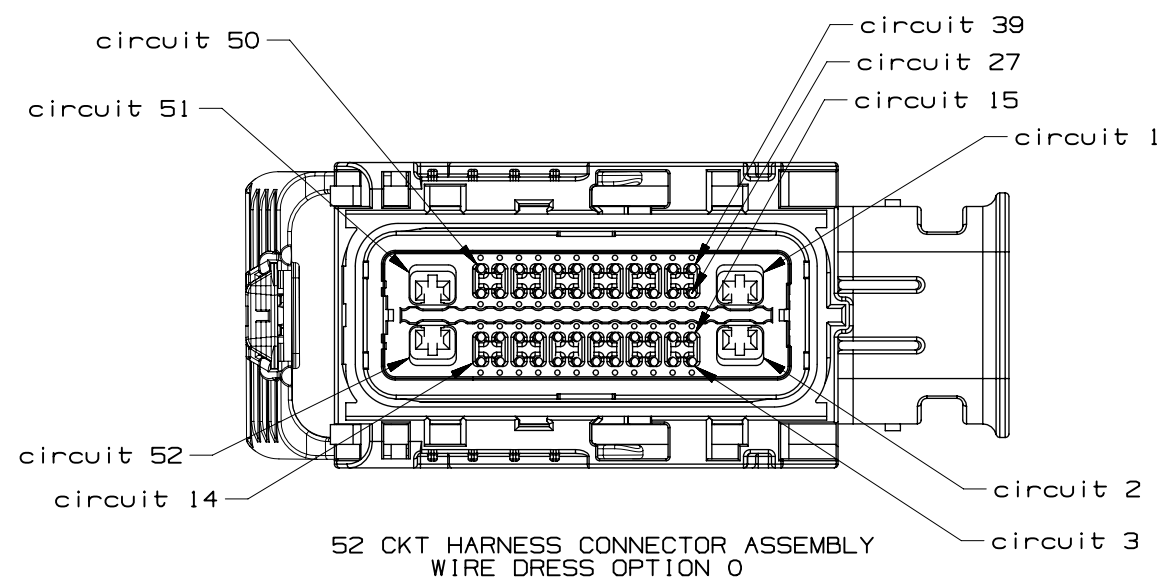


PAGE TITLE
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DRAWING NUMBER
12672833

DWG STATUS		
ST	REV	PD1
R	001	

PAGE NUMBER
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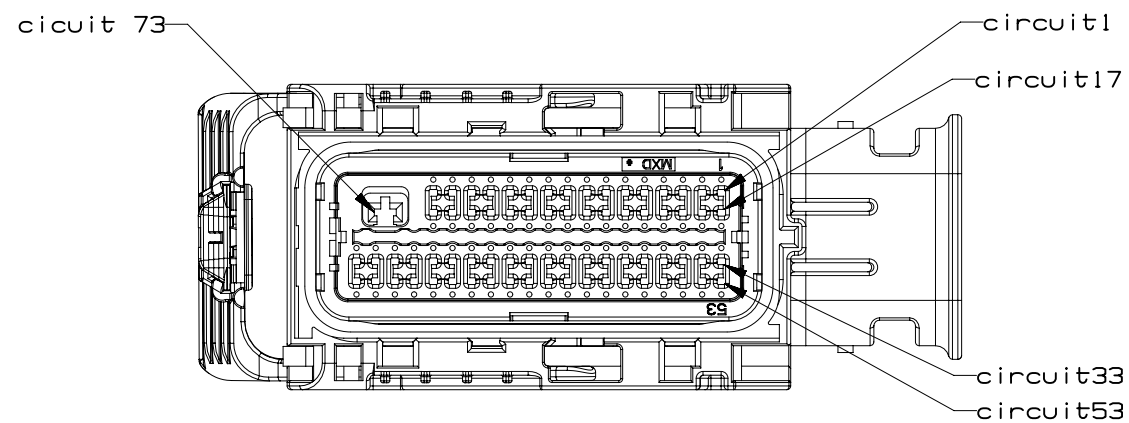


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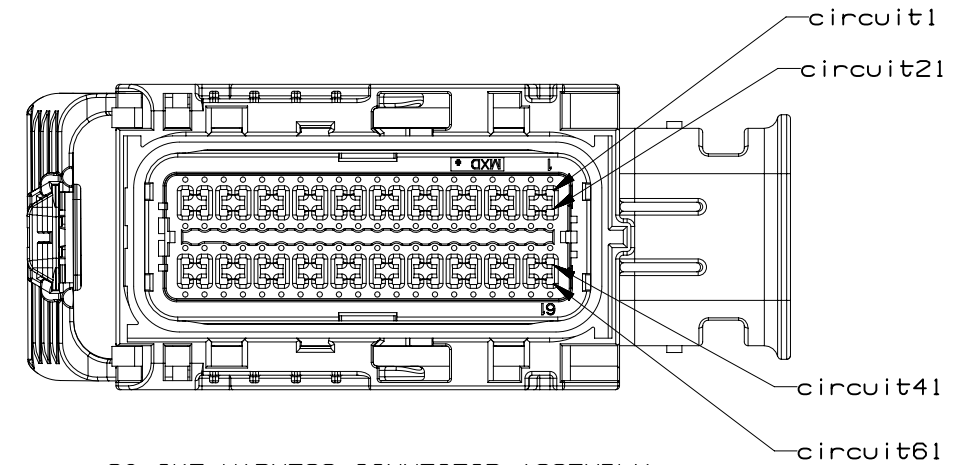
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DWG STATUS		
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R	001	

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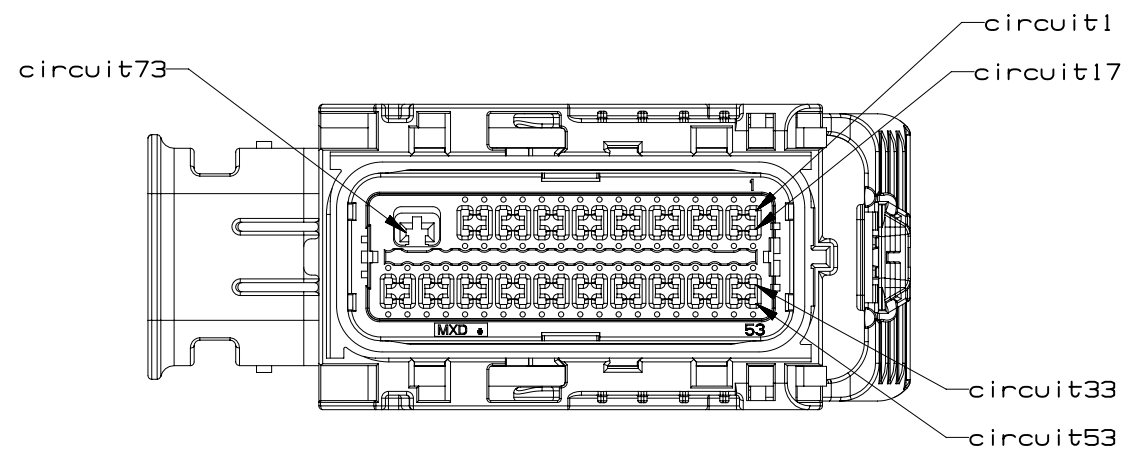


73 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

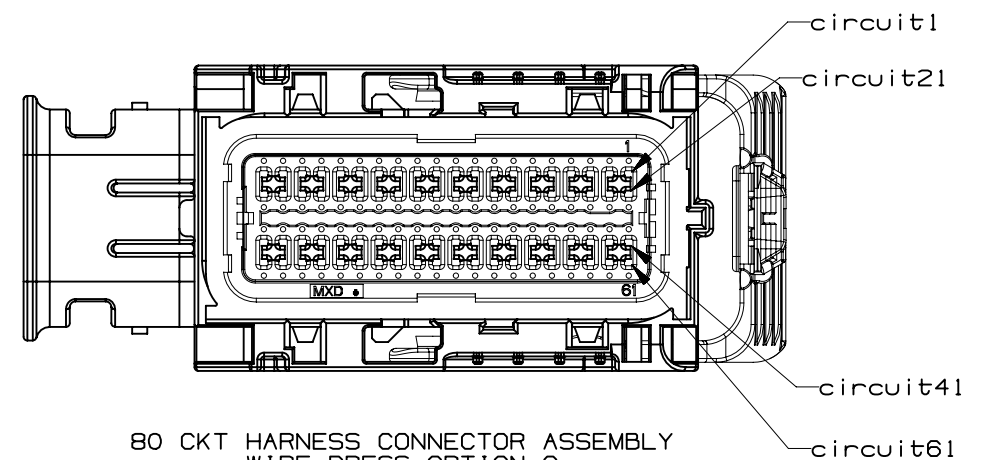


80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

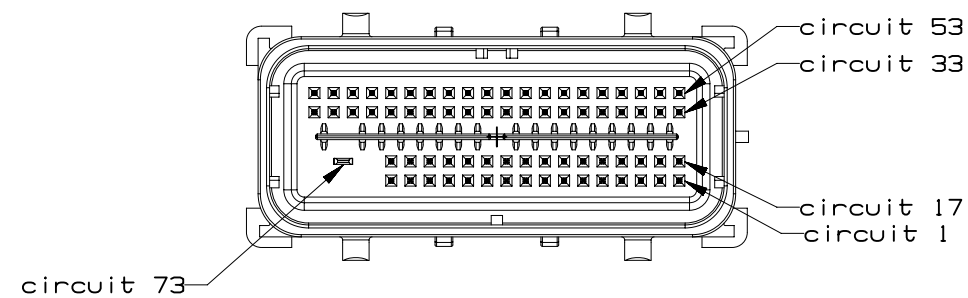
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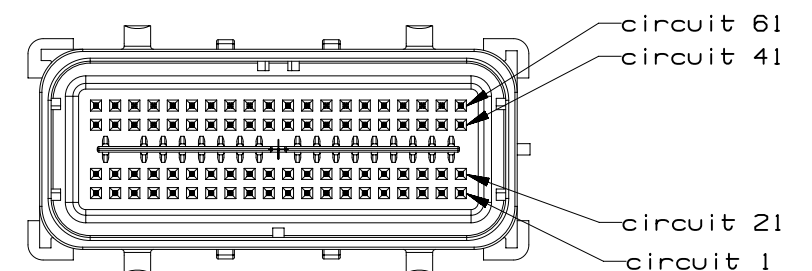
73 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9



80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9

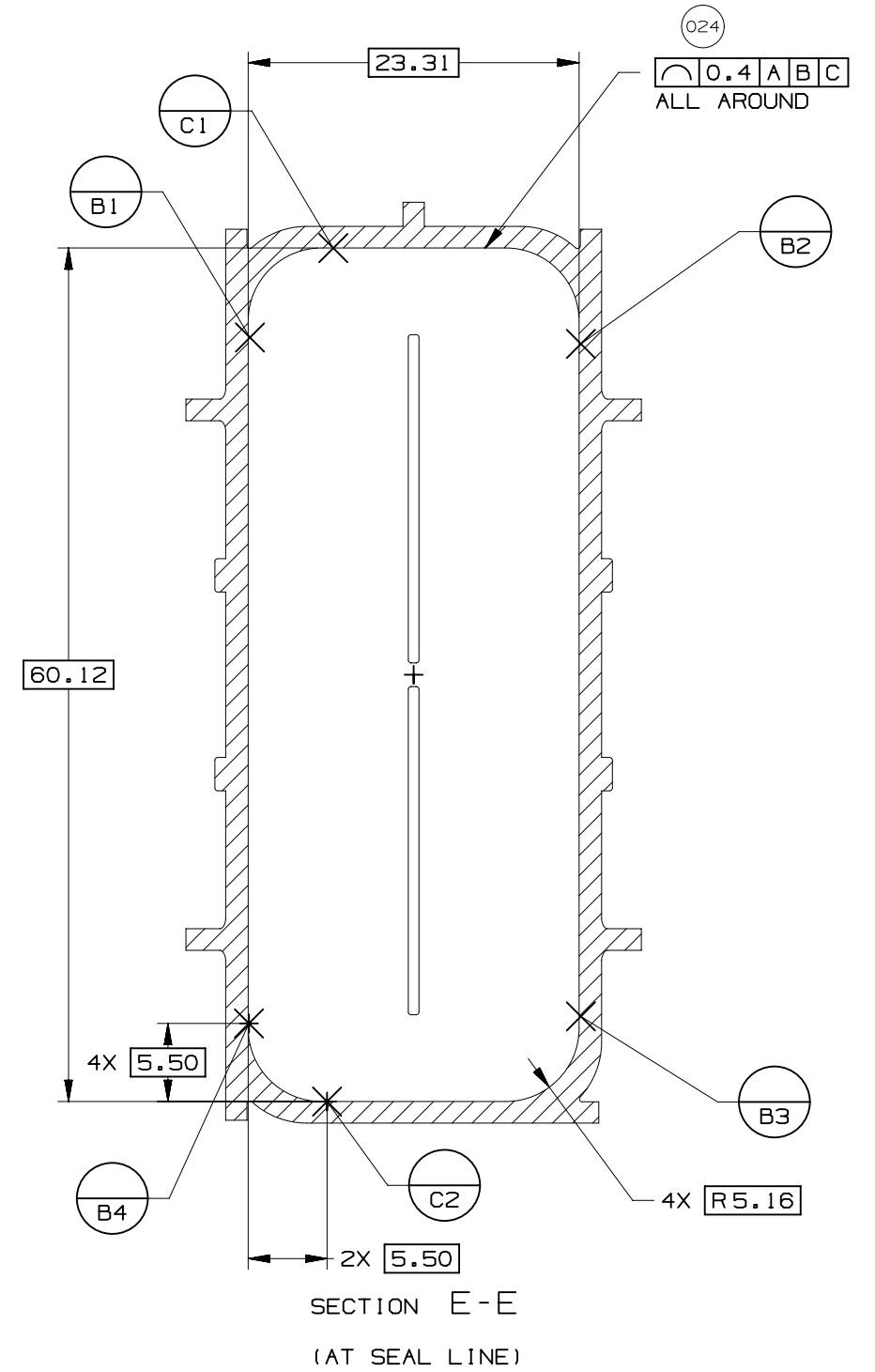
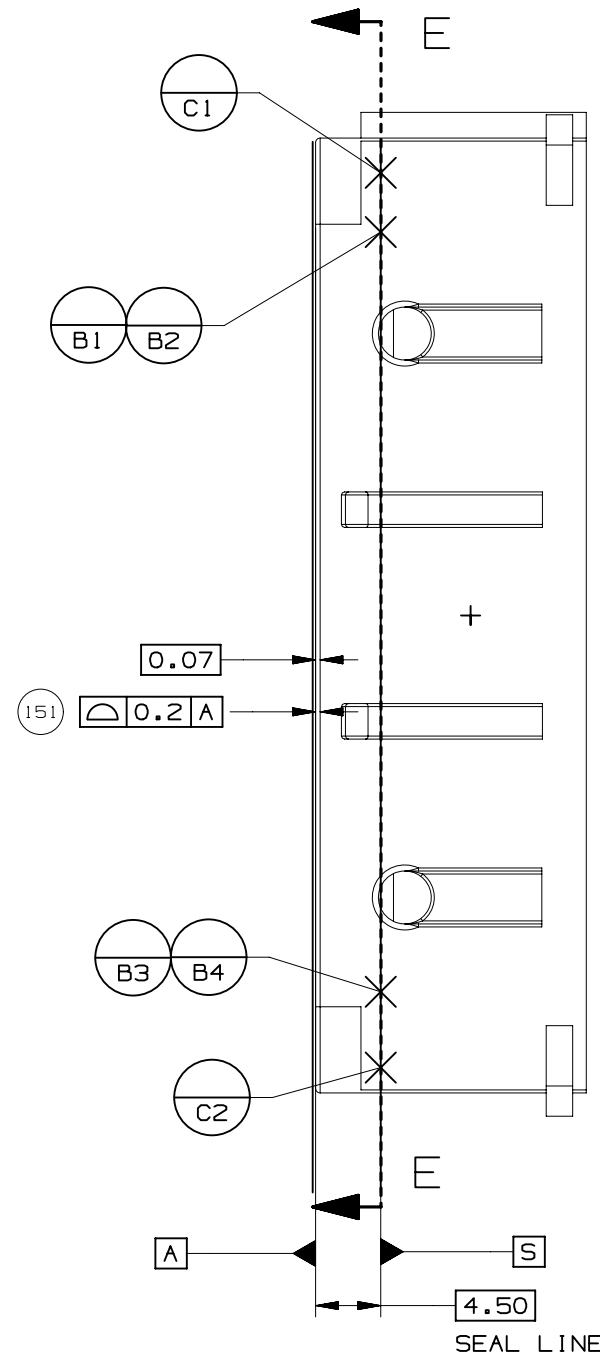
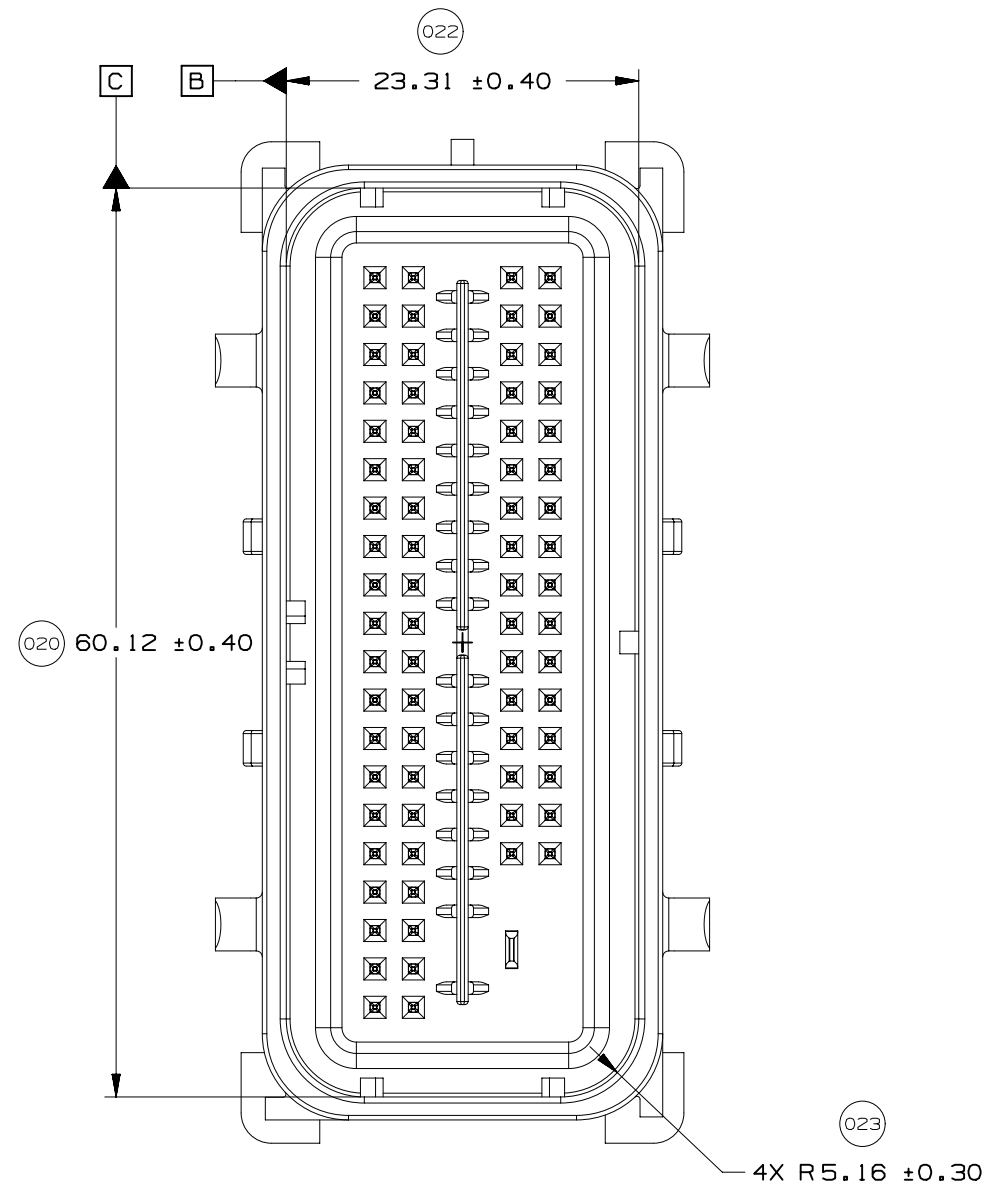
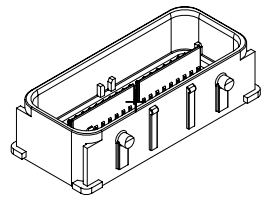


73 CKT COMPONENT CONNECTOR INTERFACE



80 CKT COMPONENT CONNECTOR INTERFACE





UNLESS SPECIFIED, TOLERANCE OF THE COMPONENT CONNECTOR INTERFACE TO BE 0.13 A B C

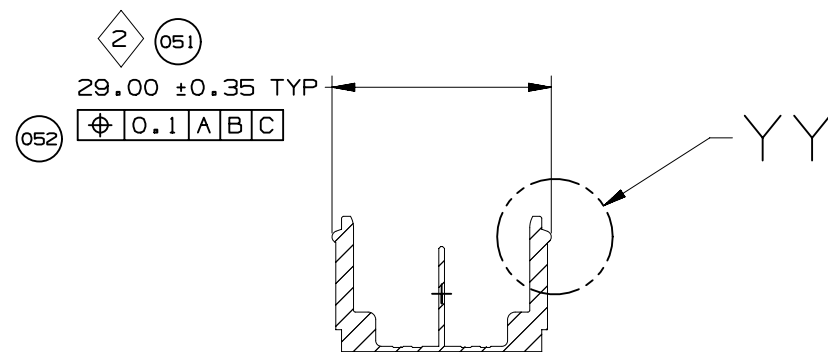
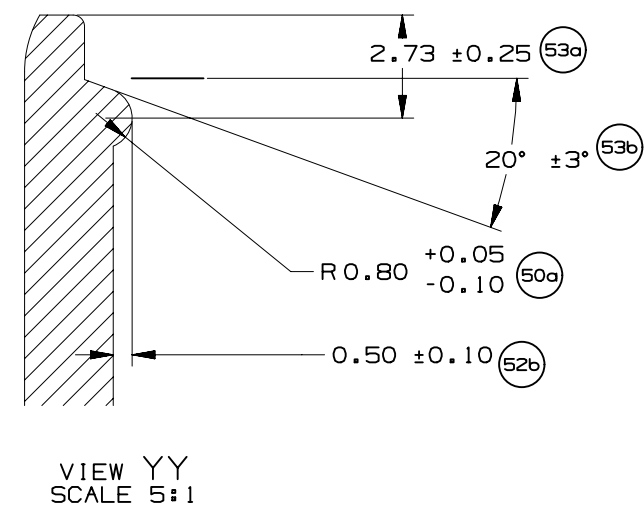
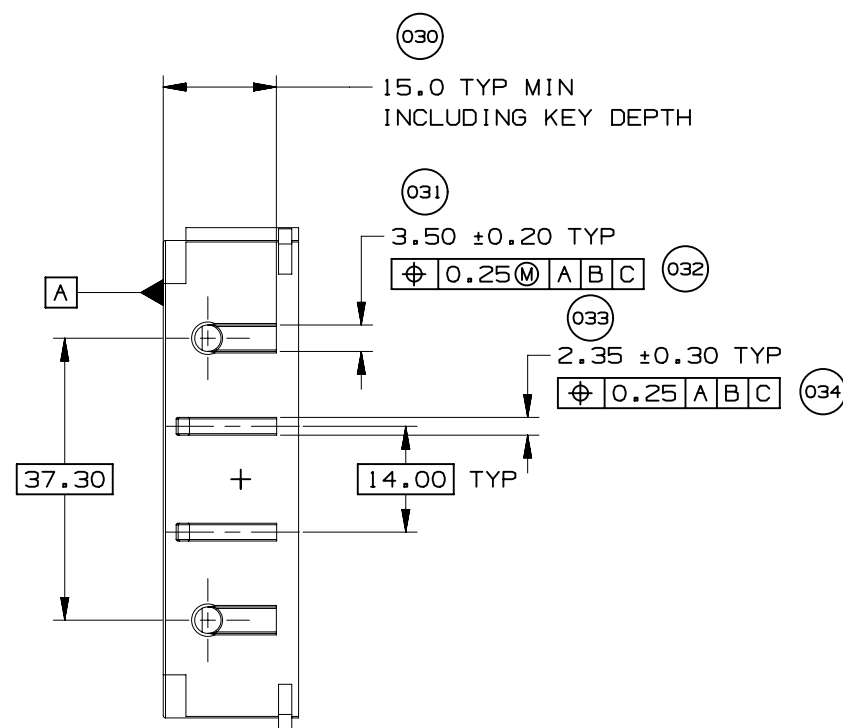
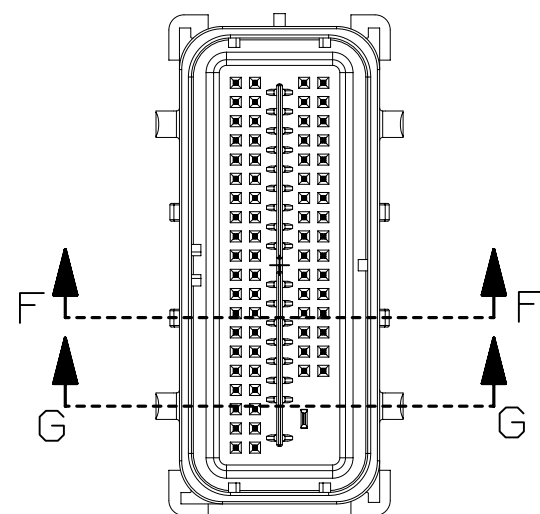


PAGE TITLE
COMPONENT CONNECTOR INTERFACE

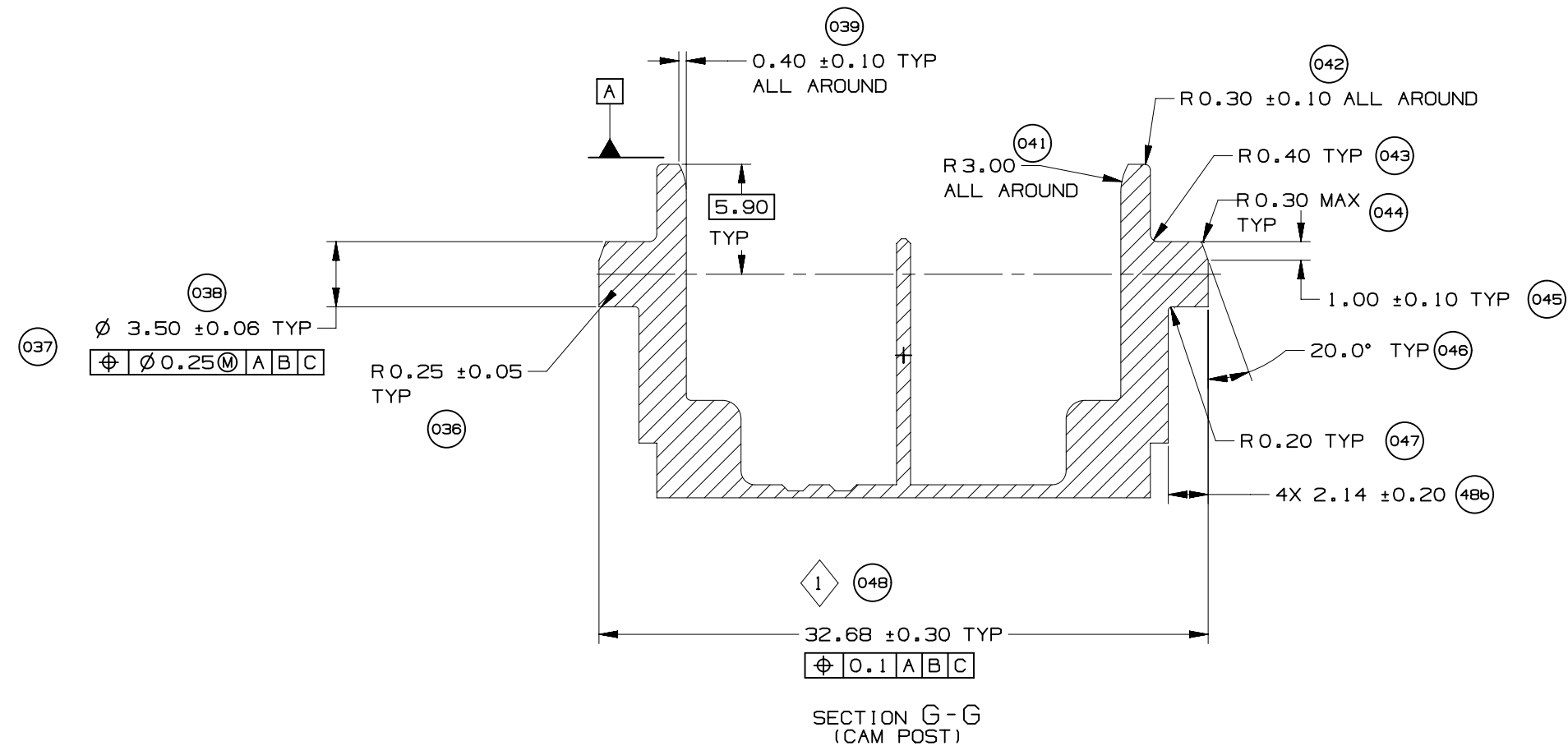
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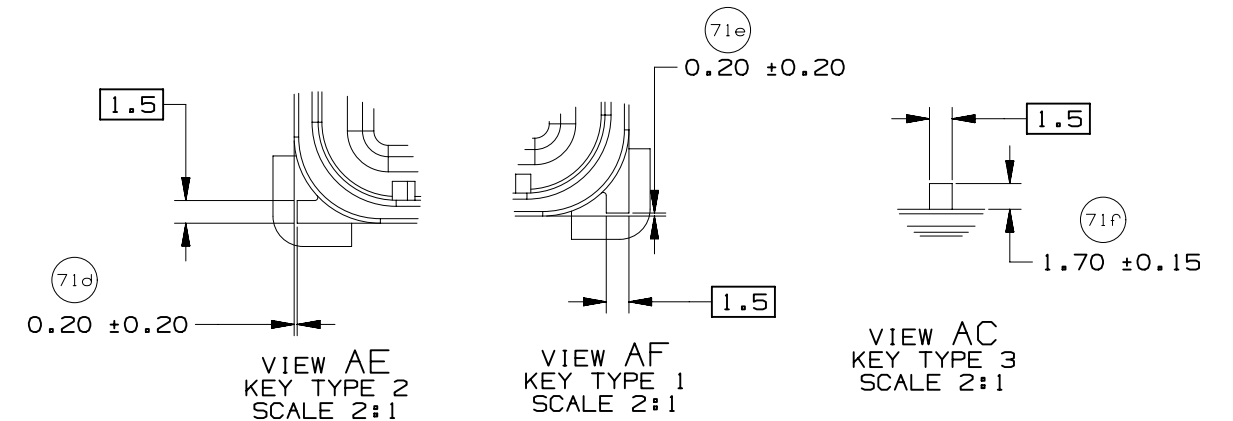
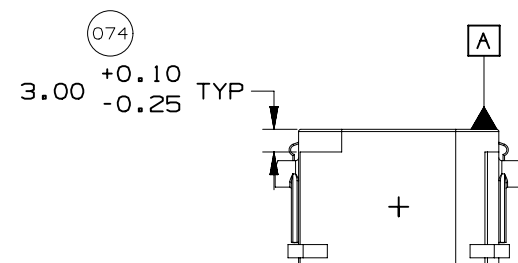
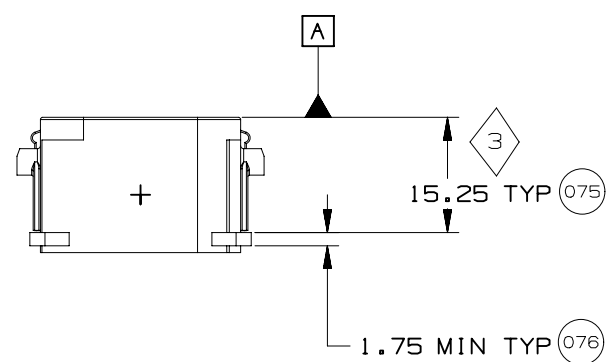
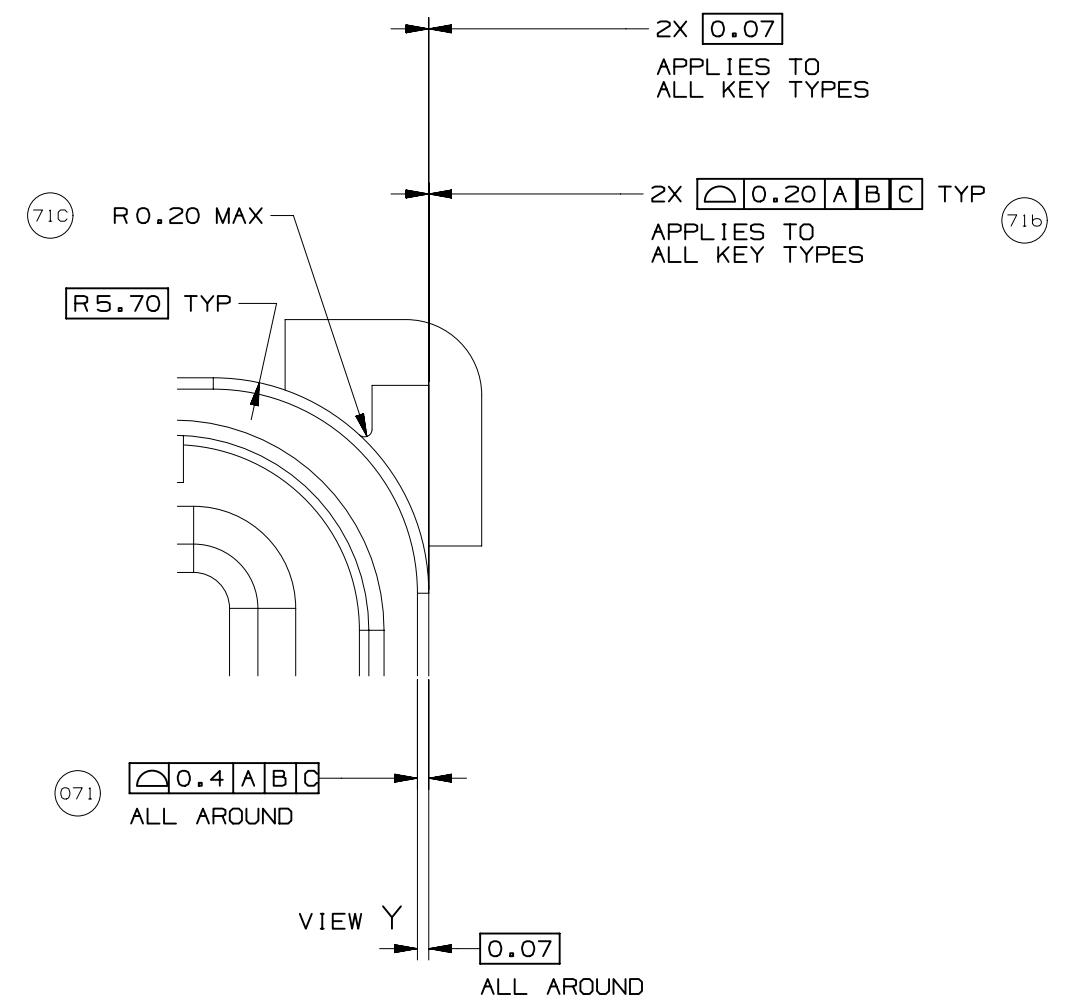
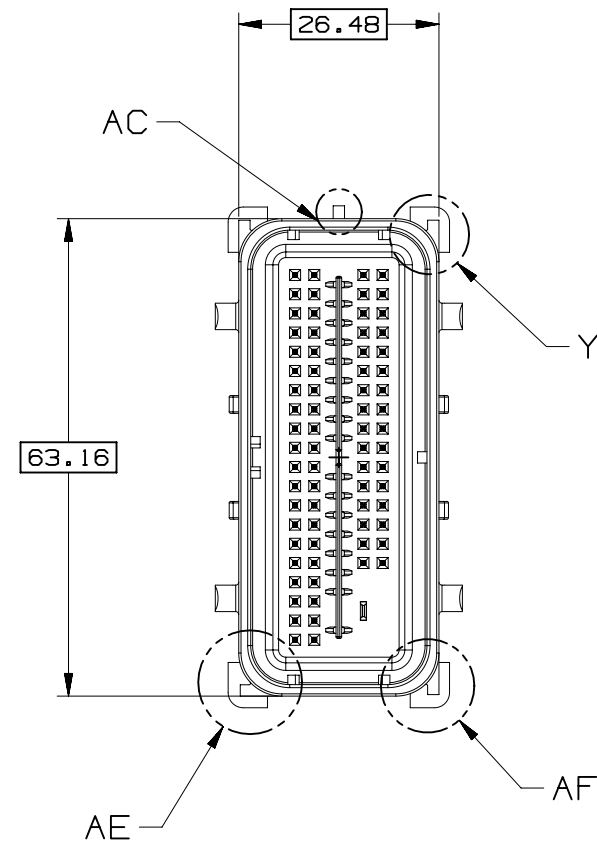
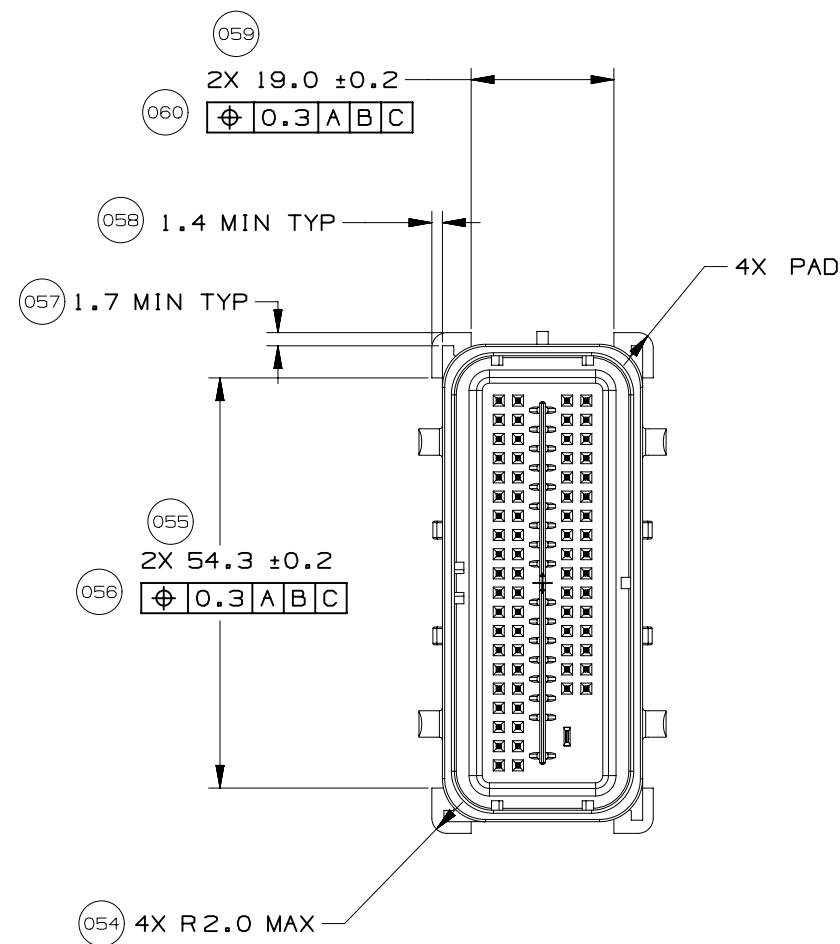
DWG STATUS		
ST	REV	PD1
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SECTION F-F
(RELEASE FEATURE)

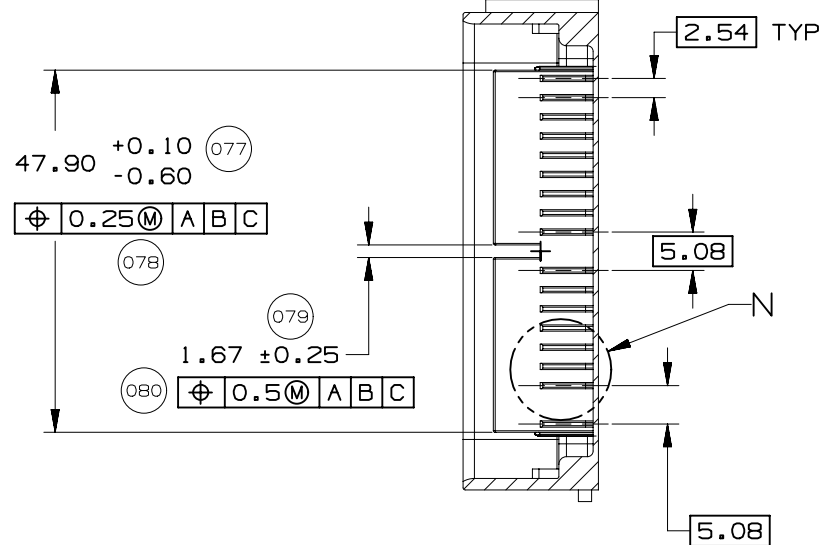
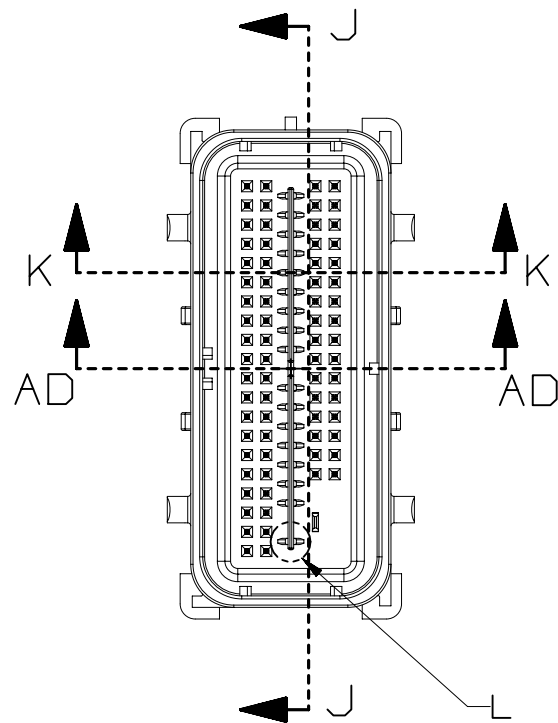




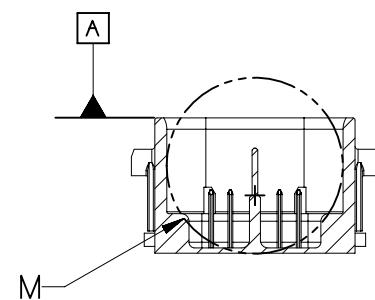
PAGE TITLE
COMPONENT CONNECTOR INTERFACE

DRAWING NUMBER
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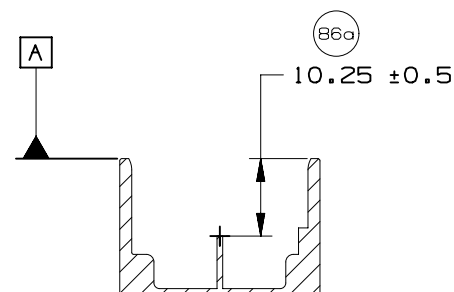
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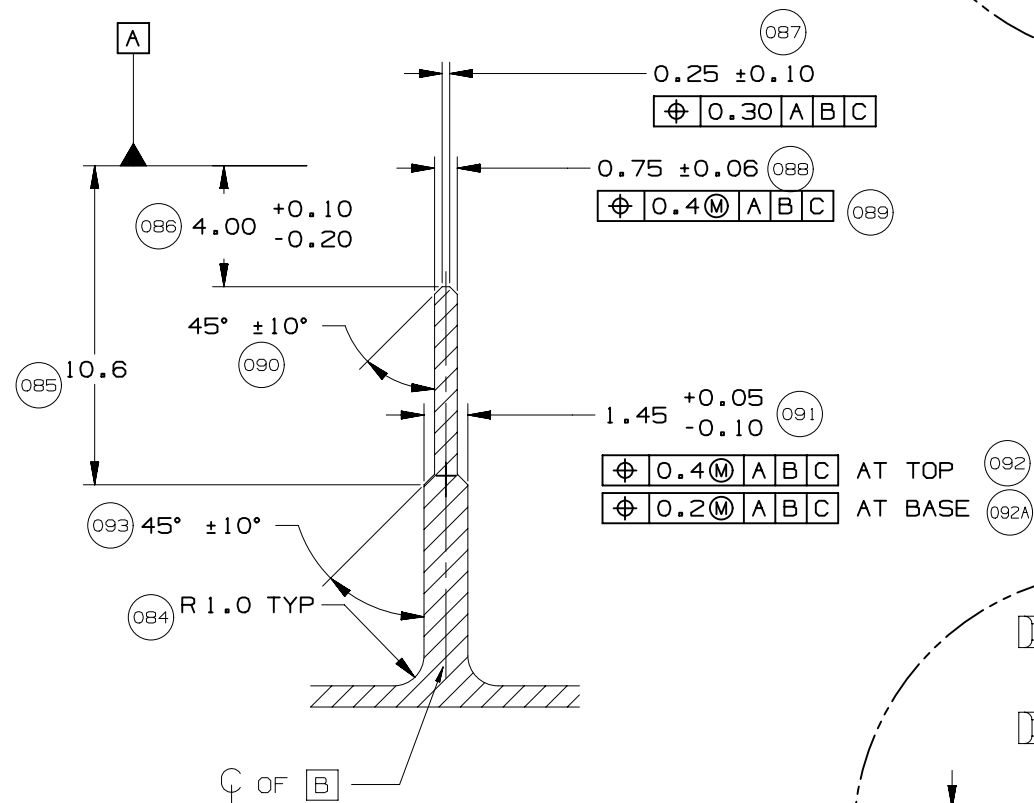
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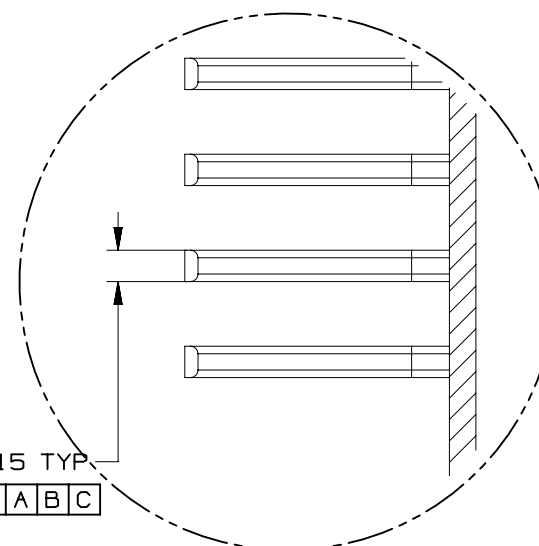
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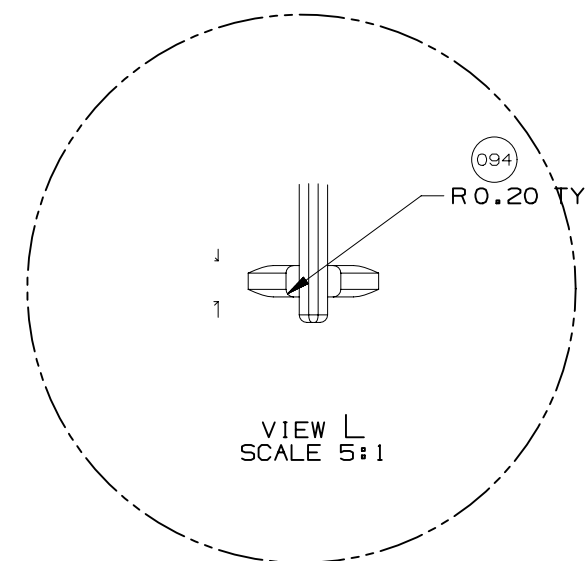
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DETAIL M
TYPICAL
SCALE 4:1

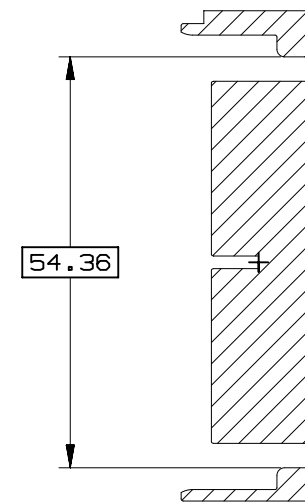
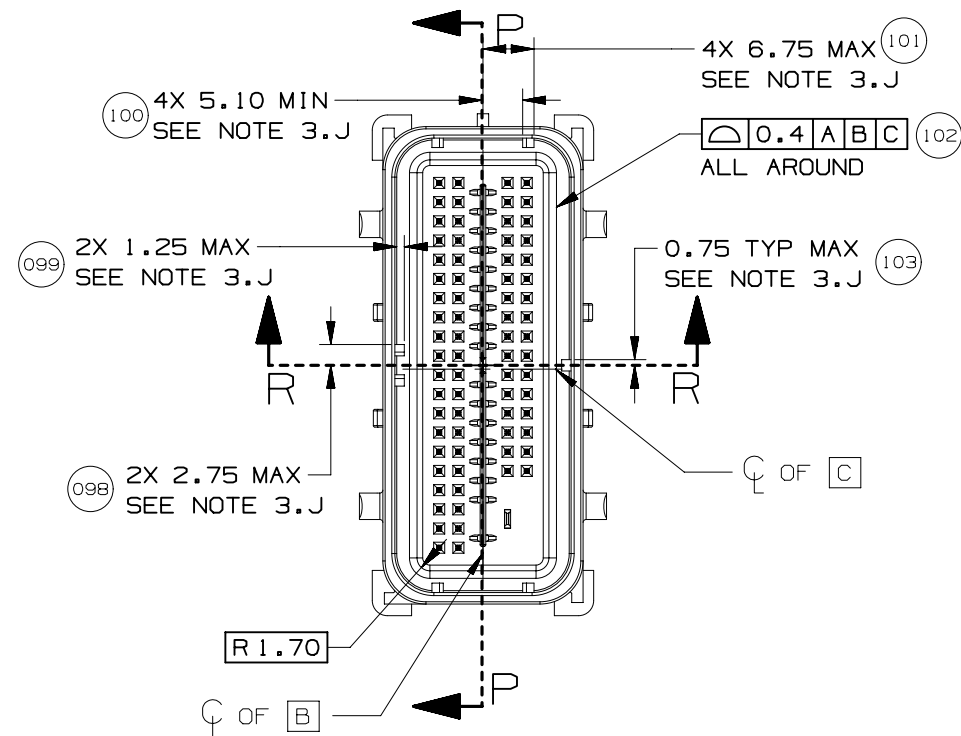


DETAIL N
SCALE 5:1

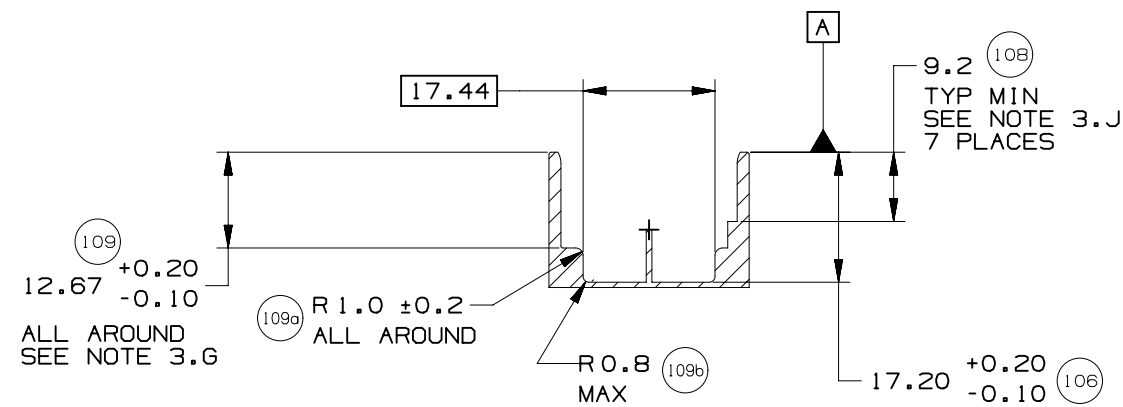


VIEW L
SCALE 5:1





SECTION P-P



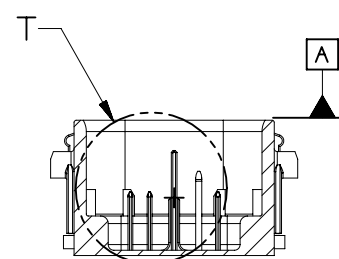
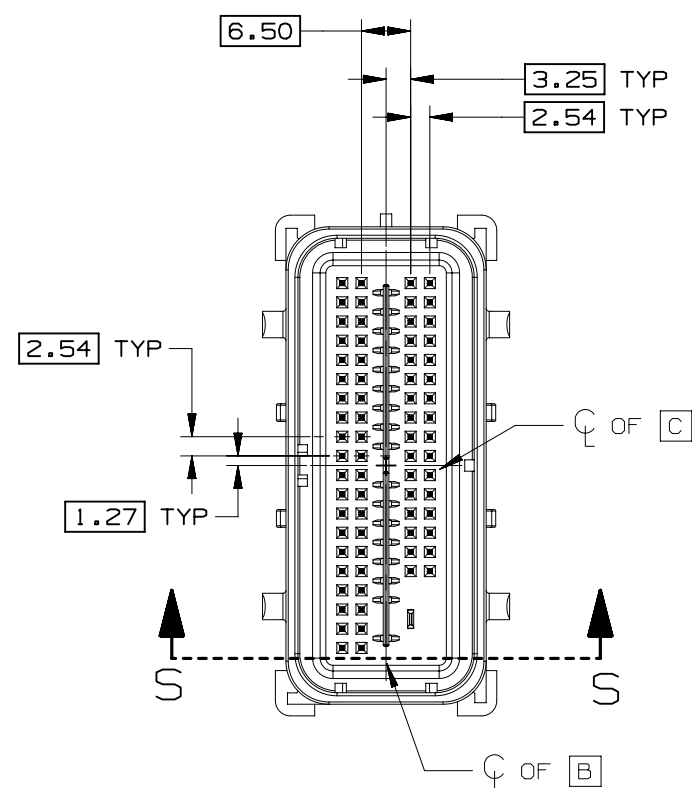
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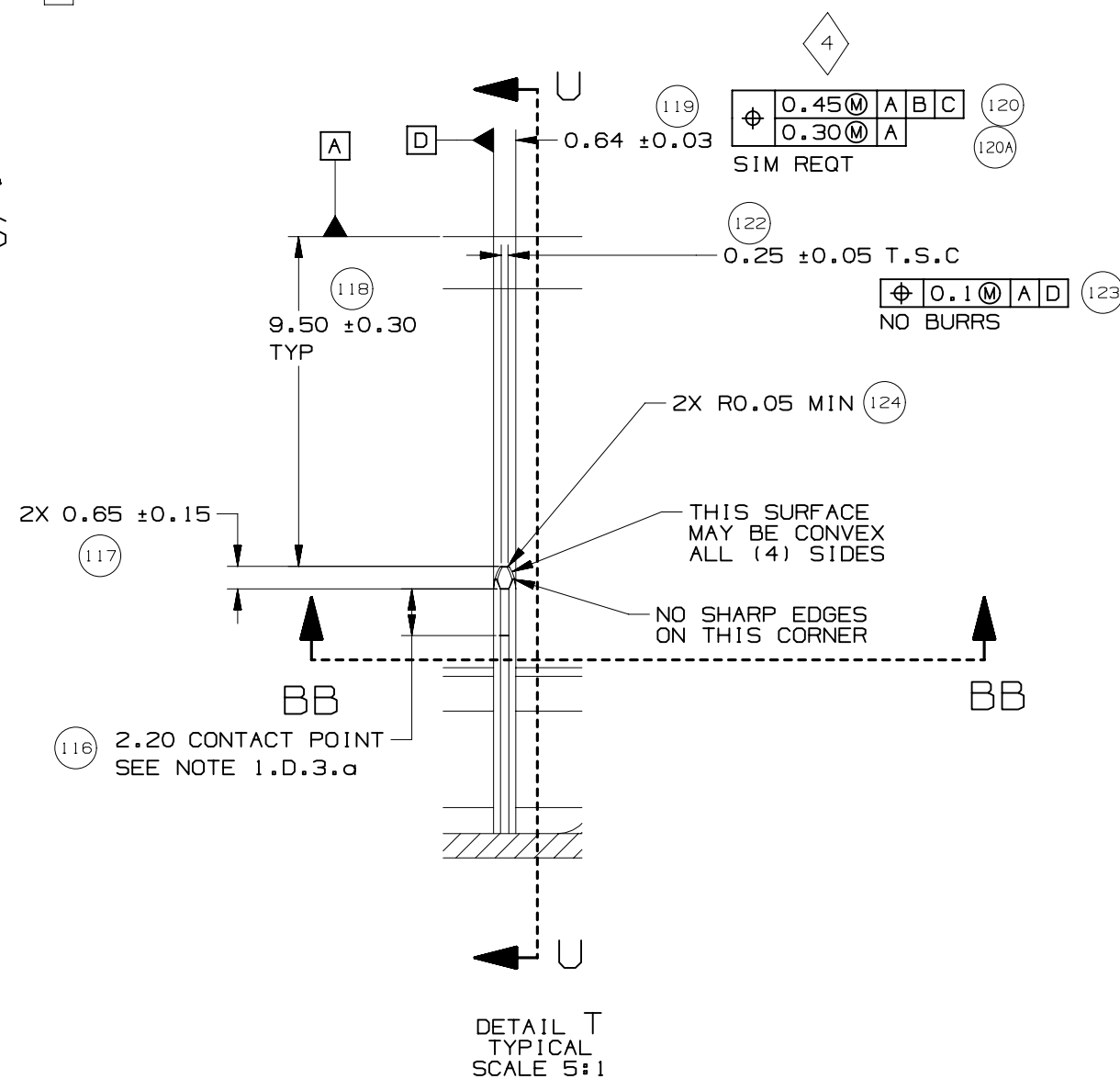
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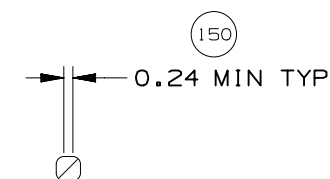
DWG STATUS			PAGE NUMBER	
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R	001			



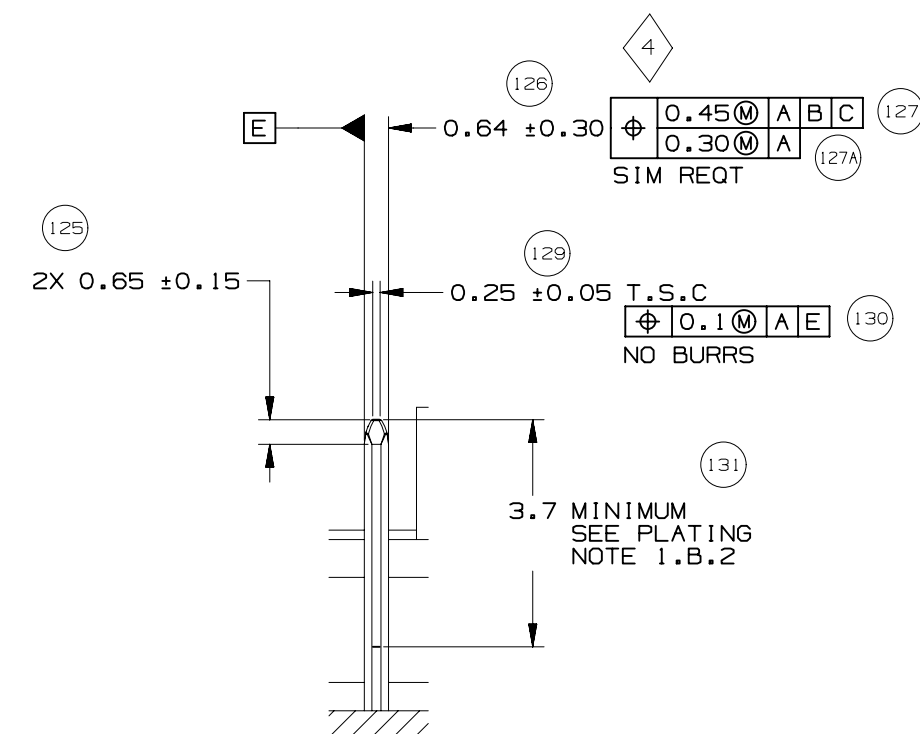
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DETAIL T
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SCALE 5:1

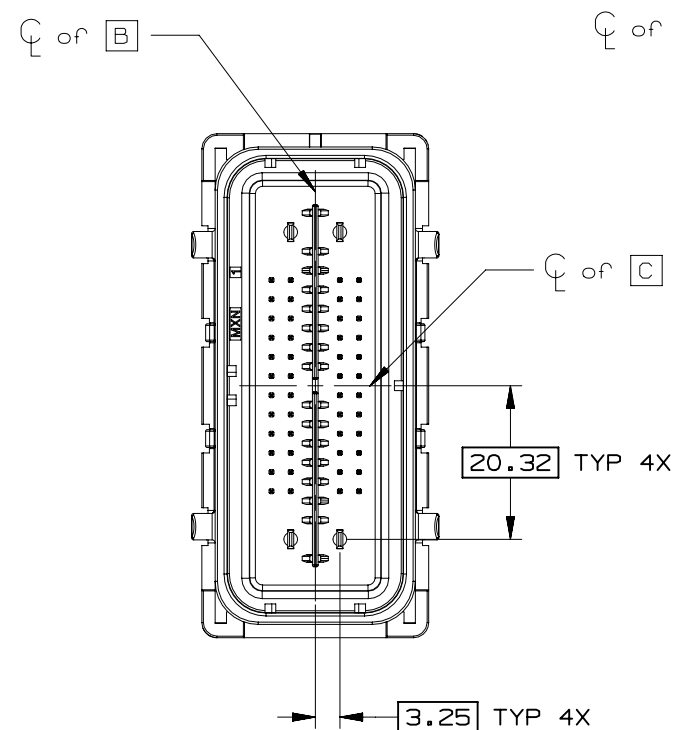


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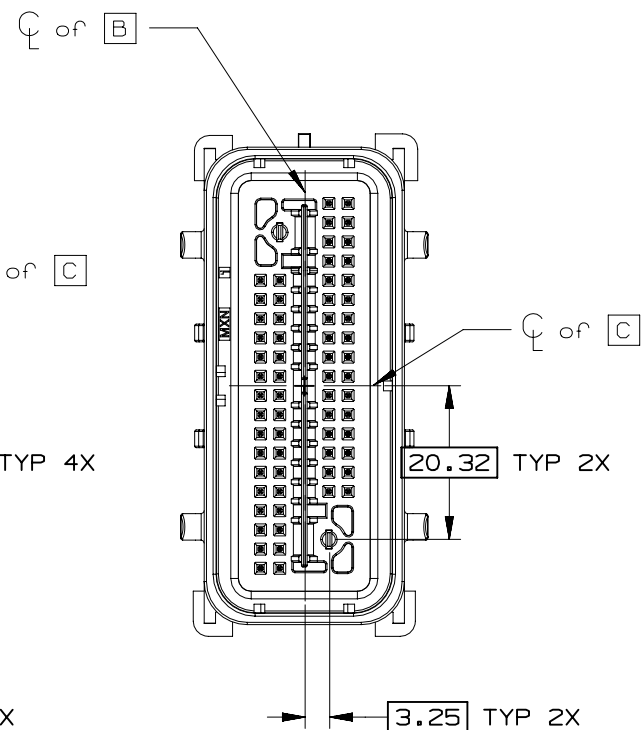


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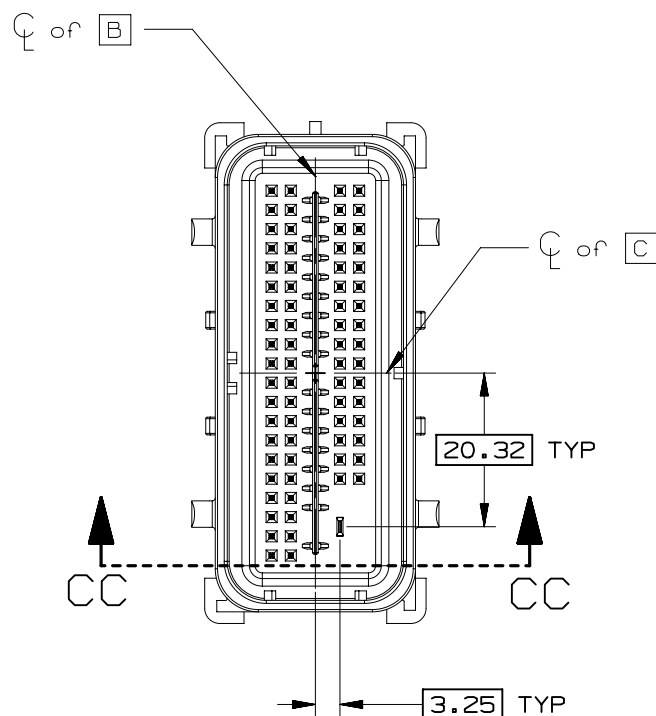




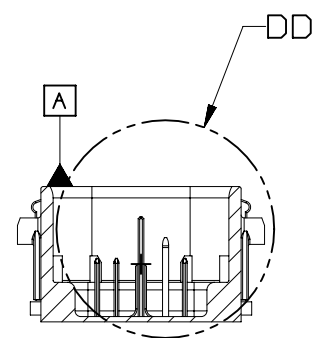
52 CKT COMPONENT
CONNECTOR INTERFACE



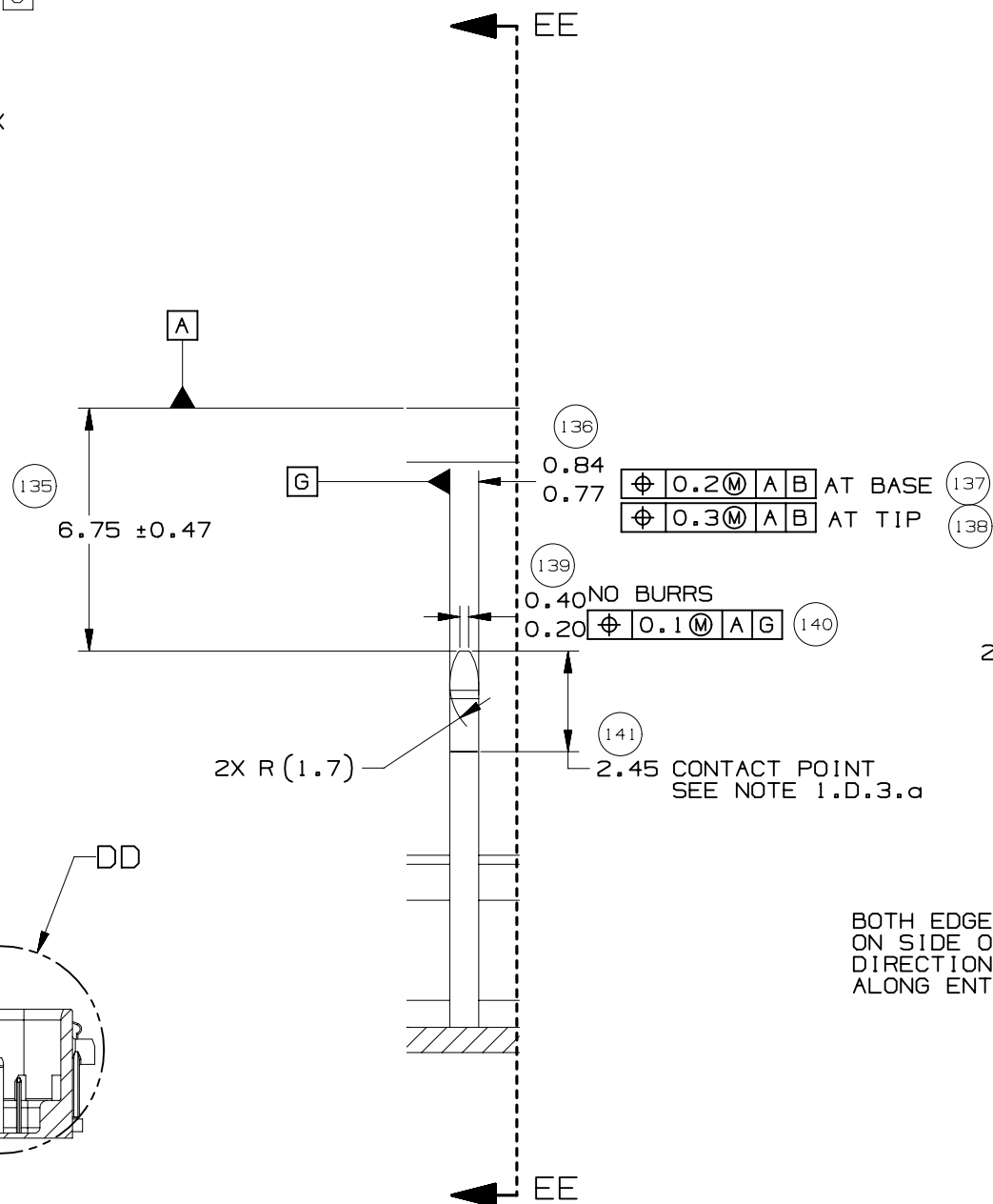
66 CKT COMPONENT
CONNECTOR INTERFACE



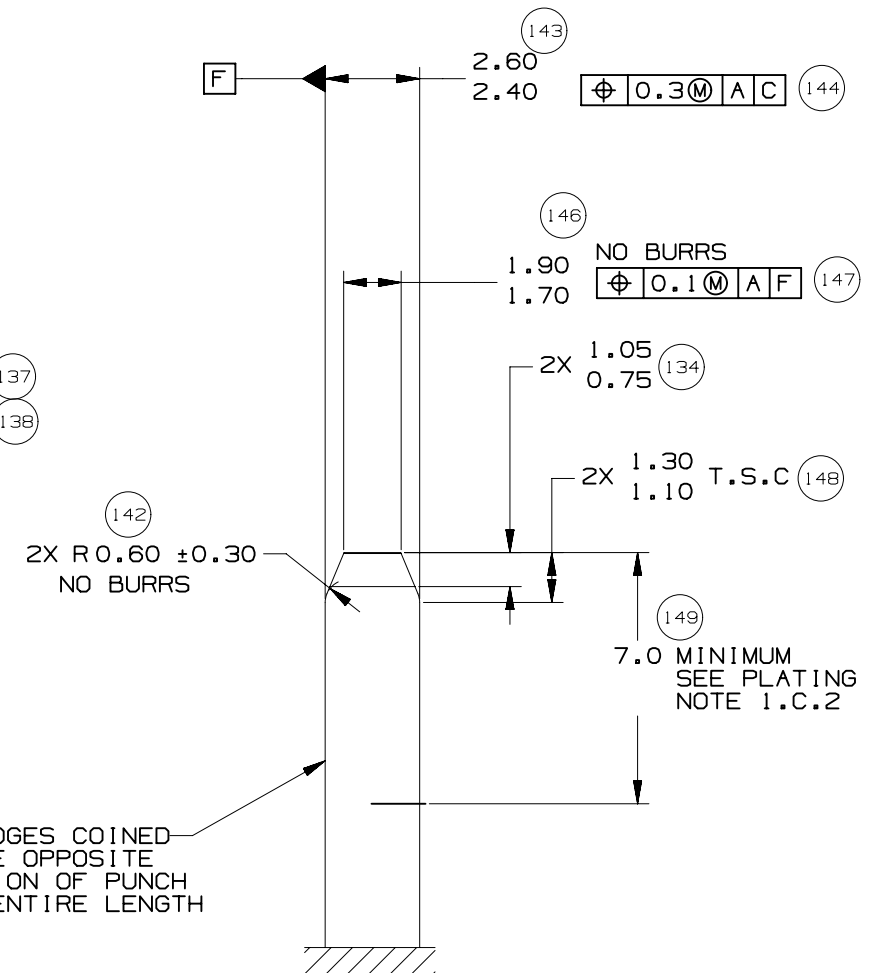
73 CKT COMPONENT
CONNECTOR INTERFACE



SECTION CC-CC



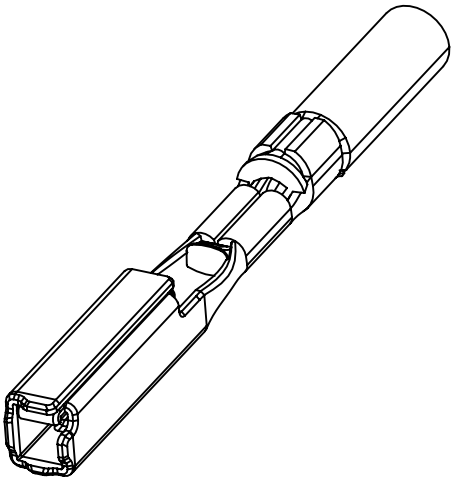
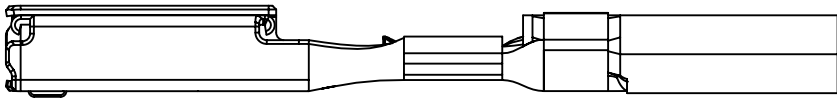
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TYPICAL
SCALE 5:1



SECTION EE-EE
TYPICAL

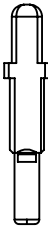
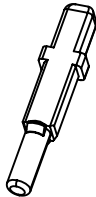


MOLEX MX64 RECEPTACLE TERMINAL INFORMATION							
ITEM	MOLEX P/N	GM P/N	WIRE SIZE MM2	TYPE	PLATING	REEL WIND DIRECTION	COMMENTS
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2	34736-0026	12672850	0.35	ISO	SILVER	RIGHT	
3	34736-0027		0.5 / 0.75	ISO	SILVER	LEFT	
4	34736-0028	12672851	0.5 / 0.75	ISO	SILVER	RIGHT	

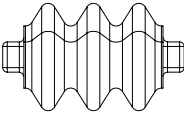
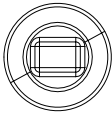


CAVITY PLUGS									
ITEM	MFG	MFG P/N	GM P/N RD	SIZE	COLOR	MFG DRAWING	PROD SPEC	APP SPEC	COMMENTS
1	MOLEX	34586-0001	12674820	0.64	NATURAL	SD-34586-001	PS-34566-0000	AS-34566-001	
2	YAZAKI	7158-3114-90	12674821	2.8	BLUE	7158-3114-90	YPES-11-04-062	YPES-15-299	

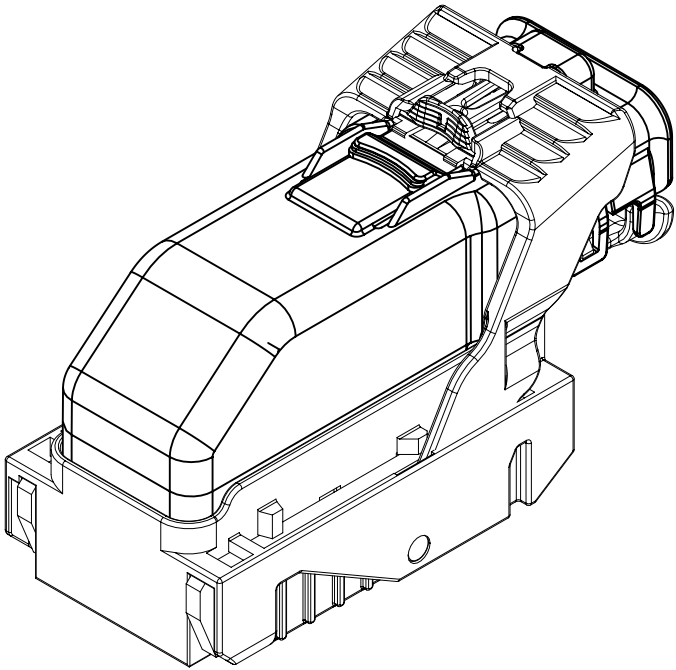
ITEM 1



ITEM 2



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ISO VIEW

		UNLESS OTHERWISE SPECIFIED: THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN A RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.			DATE	
 CHANGE RESTRICTED NO MANUAL CHANGES	REFERENCE 12H (MOLEX AUTOMOTIVE)	DRAFTER		05JN15		
		APVD1				
		APVD2				
		APVD3				
		APVD4				
DO NOT SCALE		APVD5				
METRIC DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		DRAWING NAME HARNESS CONN ASM-SEALED 52/66/73/80 CKTS,MX123				
	DRAWING NUMBER 12672833		DWG STATUS			PAGE NUMBER 1 OF 22
			ST	REV	PD1	
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				KEY PRODUCT CHARACTERISTICS (IN ACCORDANCE WITH QN 1805 OR QN 1050)							
				SAFETY/COMPLIANCE FIT/FUNCTION			TOTAL ON DRAWING		4		
							LAST NO. USED		4		
				NO	TYPE	DESCRIPTION		RATIONALE		PAGE/ZONE	
				1	F/F	32.68		IMPROVE CONNECTOR SYSTEM MATING		16	
2	F/F	29.00		INSURE PROPER RELEASE OF LEVER		16					
3	F/F	15.25		INSURE FINAL MATE POSITION		17					
4	F/F	POSITIONAL TOLERANCE (2 PLACES)		INSURE CONNECTOR SYSTEM MATEABILITY		20					
				DRAWING NUMBER		DWG STATUS			PAGE NUMBER		
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					APPLICABLE COMPONENTS					
LINE	MFG.	MFG. P/N	GM P/N	EFFECTIVE DATE	DESCRIPTION	KEY OPTION	WIRE DRESS OPTION	KEY CONFIG.	COLOR	STATUS
-										
1	MOLEX	34565-0003	12582676	02JN03	MX123 DRESS COVER 52/66/73/80 CKT	N/A	N/A	N/A	BLACK	AVAILABLE
2	MOLEX	160094-0001	12672852	01SP13	MX123 HRNS CONN ASSY 52 CKT	A	0	1458	BLACK	AVAILABLE
3	MOLEX	160094-0003	12672854	01SP13	MX123 HRNS CONN ASSY 52 CKT	C	0	2467	BLUE	AVAILABLE
4	MOLEX	160094-0013	12672853	01SP13	MX123 HRNS CONN ASSY 52 CKT	A	9	1458	BLACK	AVAILABLE
5	MOLEX	160094-0015	12672855	01SP13	MX123 HRNS CONN ASSY 52 CKT	C	9	2467	BLUE	AVAILABLE
6	MOLEX	34822-0013	12672856	01SP13	MX123 HRNS CONN ASSY 66 CKT	A	0	1458	BLACK	AVAILABLE
7	MOLEX	34822-0033	12672858	01SP13	MX123 HRNS CONN ASSY 66 CKT	C	0	2467	BLUE	AVAILABLE
8	MOLEX	34822-0023	12672857	01SP13	MX123 HRNS CONN ASSY 66 CKT	A	9	1458	BLACK	AVAILABLE
9	MOLEX	34822-0043	12672859	01SP13	MX123 HRNS CONN ASSY 66 CKT	C	9	2467	BLUE	AVAILABLE
10	MOLEX	34566-0103	12672860	11JN04	MX123 HRNS CONN ASSY 73 CKT	A	0	1458	BLACK	AVAILABLE
11	MOLEX	34566-0203	12672862	11JN04	MX123 HRNS CONN ASSY 73 CKT	B	0	1468	ST GRAY	AVAILABLE
12	MOLEX	34566-0303	12672864	09AP08	MX123 HRNS CONN ASSY 73 CKT	C	0	2467	BLUE	AVAILABLE
13	MOLEX	34566-0603	12672866	05DC14	MX123 HRNS CONN ASSY 73 CKT	F	0	1357	NATURAL	AVAILABLE
14	MOLEX	34566-1303	12672861	11JN04	MX123 HRNS CONN ASSY 73 CKT	A	9	1458	BLACK	AVAILABLE
15	MOLEX	34566-1403	12672863	11JN04	MX123 HRNS CONN ASSY 73 CKT	B	9	1468	ST GRAY	AVAILABLE
16	MOLEX	34566-1503	12672865	09AP08	MX123 HRNS CONN ASSY 73 CKT	C	9	2467	BLUE	AVAILABLE
17	MOLEX	34566-1803	12672867	05DC14	MX123 HRNS CONN ASSY 73 CKT	F	9	1357	NATURAL	AVAILABLE
18	MOLEX	34566-0703	12672872	09AP08	MX123 HRNS CONN ASSY 80 CKT	G	0	1358	BLUE	AVAILABLE
19	MOLEX	34566-0803	12672870	11JN04	MX123 HRNS CONN ASSY 80 CKT	H	0	2458	ST GRAY	AVAILABLE
20	MOLEX	34566-0903	12672868	T.B.D	MX123 HRNS CONN ASSY 80 CKT	J	0	2457	BLACK	NOT ACTIVE
21	MOLEX	34566-1903	12672873	09AP08	MX123 HRNS CONN ASSY 80 CKT	G	9	1358	BLUE	AVAILABLE
22	MOLEX	34566-2003	12672871	11JN04	MX123 HRNS CONN ASSY 80 CKT	H	9	2458	ST GRAY	AVAILABLE
23	MOLEX	34566-2103	12672869	T.B.D	MX123 HRNS CONN ASSY 80 CKT	J	9	2457	BLACK	NOT ACTIVE
24	MOLEX	34736-0028	12672851	01AU10	MX64 RCPT TERM Ag 0.5mm/0.75mm ISO GAGE B (RIGHT PAYOFF)	N/A	N/A	N/A	N/A	AVAILABLE
25	MOLEX	34736-0026	12672850	01AU10	MX64 RCPT TERM Ag 0.35mm ISO GAGE B (RIGHT PAYOFF)	N/A	N/A	N/A	N/A	AVAILABLE
26	MOLEX	34586-0001	12674820	11JN04	MX123 0.64mm GROMMET PLUG	N/A	N/A	N/A	NATURAL	AVAILABLE
27	YAZAKI	7116-4150-02	12588066	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 0.35mm2-0.50mm2	N/A	N/A	N/A	N/A	NOT ACTIVE
28	YAZAKI	7116-4151-02	12588067	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 0.75mm2-1.0mm2	N/A	N/A	N/A	N/A	NOT ACTIVE
29	YAZAKI	7116-4152-02	12582685	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 1.5mm2-2.5mm2	N/A	N/A	N/A	N/A	AVAILABLE
30	YAZAKI	7158-3111-60	12588068	02JN03	2.8mm CABLE SEAL (wire O.D. range 1.2mm-1.9mm)	N/A	N/A	N/A	GREEN	NOT ACTIVE
31	YAZAKI	7158-3112-70	12588069	02JN03	2.8mm CABLE SEAL (wire O.D. range 1.8mm-2.3mm)	N/A	N/A	N/A	YELLOW	NOT ACTIVE
32	YAZAKI	7158-3113-40	12582686	02JN03	2.8mm CABLE SEAL (wire O.D. range 2.1mm-3.0mm)	N/A	N/A	N/A	WHITE	AVAILABLE
33	YAZAKI	7158-3114-90	12674821	02JN03	2.8mm YESC CAVITY PLUG	N/A	N/A	N/A	BLUE	AVAILABLE
34	MOLEX	63825-8400	N/A	02JN03	MX64 TERM HAND CRIMP TOOL	N/A	N/A	N/A	N/A	AVAILABLE
35	MOLEX	63813-1400	XX019826	02JN03	MX64 TERM SERVICE TOOL	N/A	N/A	N/A	N/A	AVAILABLE
36	MOLEX	63902-5300	N/A	02JN03	MX64 CRIMP APPLICATOR with TOOL KIT 0.5/0.75mm2 PAYOFF DIRECTION D (left payoff) (contact Molex for payoff detail)	N/A	N/A	N/A	N/A	AVAILABLE
37	MOLEX	63902-5370	N/A	02JN03	MX64 APPLICATOR TOOL KIT 0.5/0.75mm2	N/A	N/A	N/A	N/A	AVAILABLE
38	MOLEX	63902-5100	N/A	02JN03	MX64 CRIMP APPLICATOR with TOOL KIT 0.35mm2 PAYOFF DIRECTION D (left payoff) (contact Molex for payoff detail)	N/A	N/A	N/A	N/A	AVAILABLE
39	MOLEX	63902-5170	N/A	02JN03	MX64 APPLICATOR TOOL KIT 0.35mm2	N/A	N/A	N/A	N/A	AVAILABLE
40	SPX	J35616-64	T.B.D.	02JN03	0.64mm PROBE TOOL (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
41	SPX	J35616-64A	T.B.D.	02JN03	0.64mm PROBE TOOL WITH EXT (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
42	SPX	J35616-65	T.B.D.	02JN03	0.64mm PROBE TOOL WITH EXT (for pin)	N/A	N/A	N/A	N/A	AVAILABLE
43	SPX	J35616-4A	T.B.D.	02JN03	2.8mm PROBE TOOL (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
44	YAZAKI	X39899-J374	12094430	02JN03	2.8mm TERM SERVICE TOOL	N/A	N/A	N/A	N/A	AVAILABLE
45	TQI	7000-1006	N/A	15JN15	52 CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
46	TQI	7000-1002	N/A	15JN15	66 CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
47	TQI	79917-0061	N/A	15JN15	73 CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
48	TQI	79917-0066	N/A	15JN15	80 CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
* - MX123 DRESS COVER 52/66/73/80 CKT MATES TO ANY MX123 HARN CONN ASSY SHOWN ON TABLE ABOVE										

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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:
 - 1. 30% G.F. PBT; 20% MAX. (BY WEIGHT) REGRIND.
 - 2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.
 - 3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:
 - 1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY >= 28% IACS AT 20°C; TENSILE STRENGTH >= 635 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.
 - 2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
 - 3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:
 - 1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 28% IACS AT 20°C; TENSILE STRENGTH >= 350 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.
 - 2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 µm ELECTRODEPOSITED TIN, MATTE FINISH OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. PLATING REQUIREMENTS:
 - 1. SILVER PLATING
 - a. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.
 - 2. NICKEL PLATING
 - a. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.
 - b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.
 - c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.
 - d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURITY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.
 - 3. TESTING
 - a. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).
 - b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.
2. DESIGN - GENERAL:
- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.

B. TOLERANCES:
 - 1. LINEAR
 - 0.X ± 0.30
 - 0.XX ± 0.10
 - 0.XXX ± 0.10
 - 2. ANGULAR X° ± 3°
 - 3.

	1.0	A	B	C
---	-----	---	---	---

C. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.

D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

E. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.

F-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.

F-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.

G. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP
 - 1. MATERIAL #: XXXXX-XXXX
 - 2. DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)
 - 3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX
3. DESIGN - MANUFACTURING:
- A. DRAFT TO BE WITHIN TOLERANCE.

B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.

C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.

D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.

E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.

F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.

H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.

J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.

K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.

L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARENCE.

M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.
- | | | | | | | | |
|---|---------------------|--|----------------------------|------------|-----|-----|------------------------|
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NOTES: UNLESS OTHERWISE SPECIFIED

4. SYSTEM REQUIREMENTS:

- A. HARNESS CONNECTOR IS COMPATIBLE WITH THE FOLLOWING ISO WIRE SIZE NO'S:
0.35mm2, MEETING GMW15626 - MIN OD OF 1.30MM
0.50mm2, MEETING GMW15626
0.75mm2, MEETING GMW15626 - MAX OD OF 2.06MM
- B. CABLE TIE SPECIFICATIONS:
1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON
2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1
- C. WHEN MATED WITH COMPONENT CONNECTOR INTERFACE AND/OR DRESS COVER, HARNESS CONNECTOR SYSTEM CONFORMS TO THE FOLLOWING:
1. SAE/USCAR-2, REV: 3 APRIL, 2001; CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV. 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3, SEALING CLASS 1, VIBRATION CLASS 2
4. RESTRICTED AND REPORTABLE CHEMICALS PER GMW #3059, REV: D AUGUST 2002
5. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N
- D. WIRE SPECIFICATIONS:
1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

5. TERMINAL CURRENT RATINGS:

- A. MX64 RCPT TERM
ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

1. MX64 RCPT TERM Ag 0.50/0.75mm2 CRIMPED TO 0.75mm2 ISO WIRE AND MATED TO MX123 0.64MM PIN: SEE TABLE BELOW
2. MX64 RCPT TERM Ag 0.35mm2 CRIMPED TO 0.35mm2 ISO WIRE AND MATED TO MX123 0.64MM PIN: SEE TABLE BELOW

WIRE	CURRENT RATING			
	23°C	85°C	105°C	125°C
0.75mm2	11.3A	11.3A	9.5A	6.6A
0.50mm2	10.0A	10.0A	8.3A	5.7A
0.35mm2	8.5A	8.5A	7.1A	5.0A

- B. 2.8MM RCPT TERM
ALL TESTING DONE IN ACCORDANCE WITH MOLEX DVP&R 0279 (TR # 7125)

1. 2.8MM RCPT TERM TIN 2.0mm2 CRIMPED TO 2.0mm2 ISO WIRE AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS AT 125° C

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS - SEE GM DRAWING 13507496

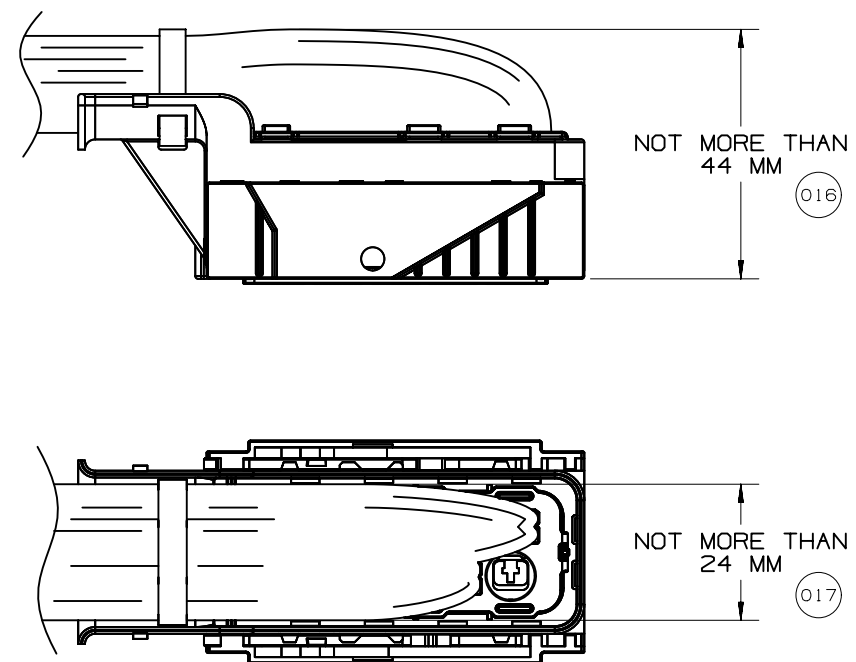
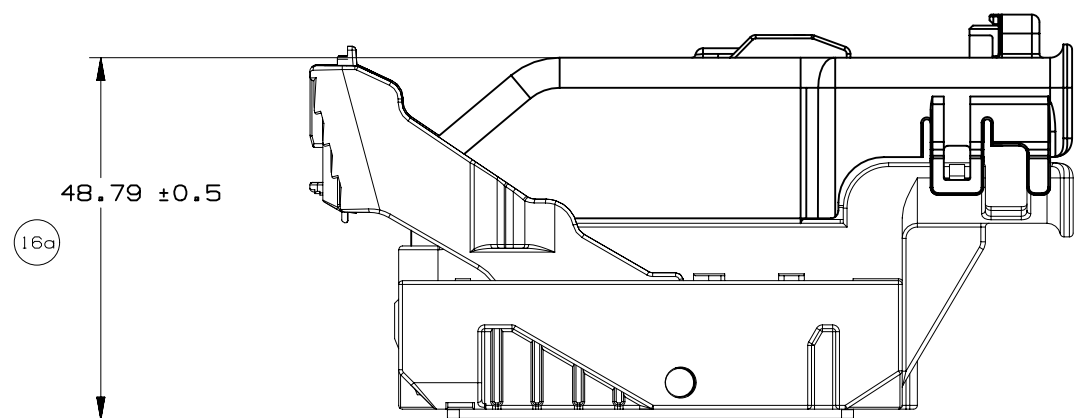
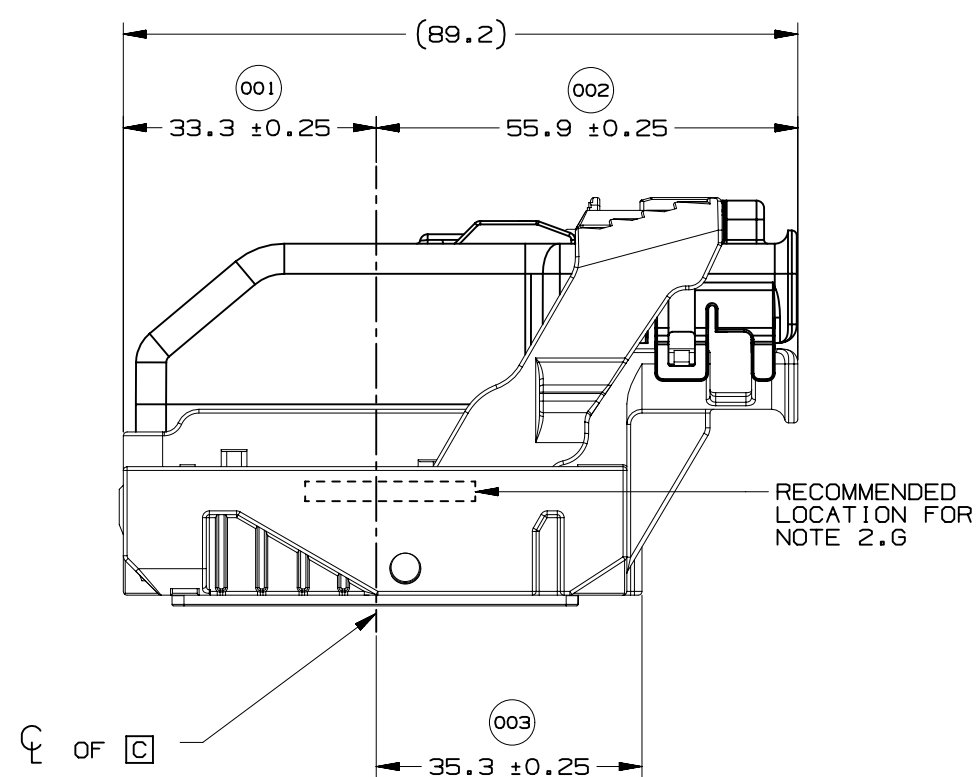
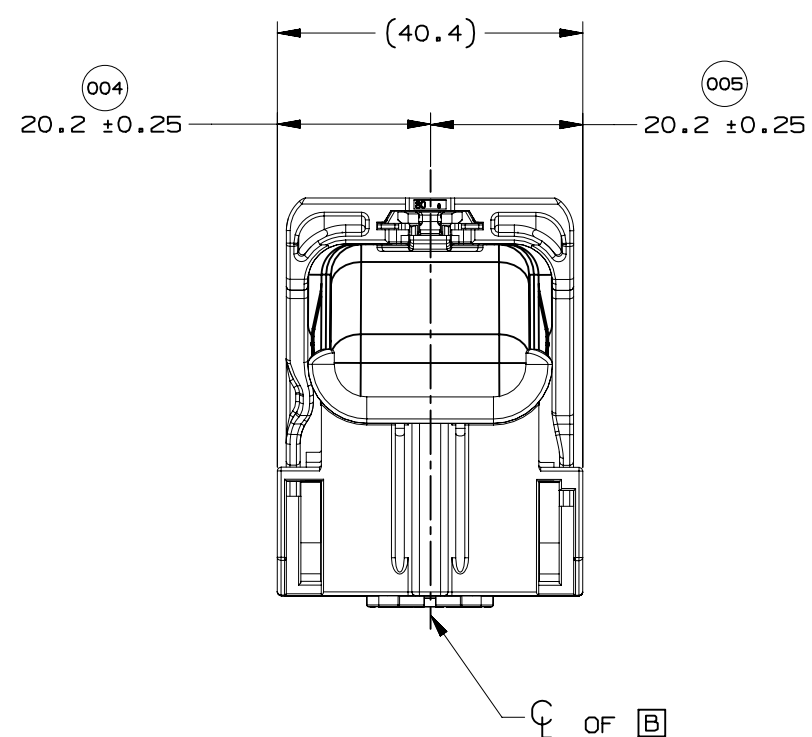


Fig. 1

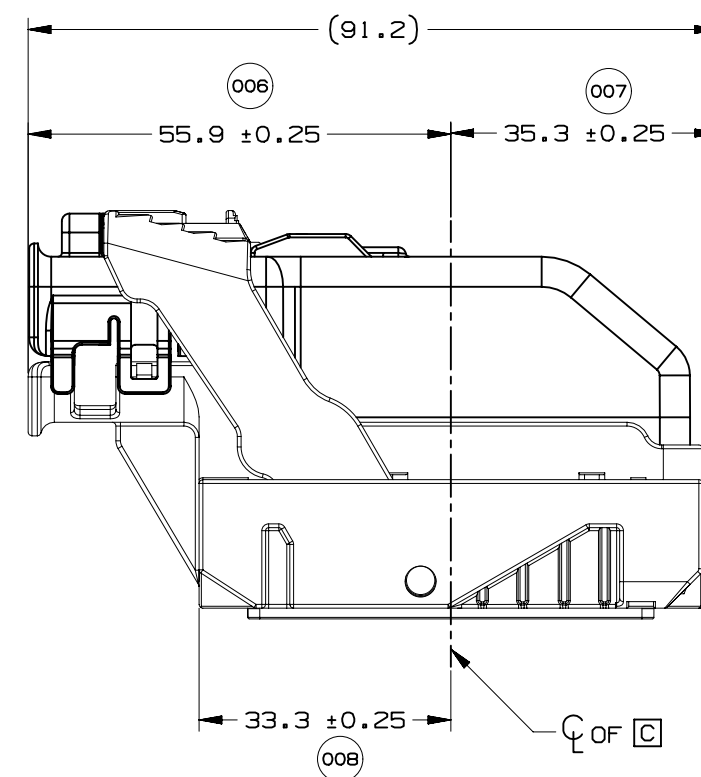




WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN

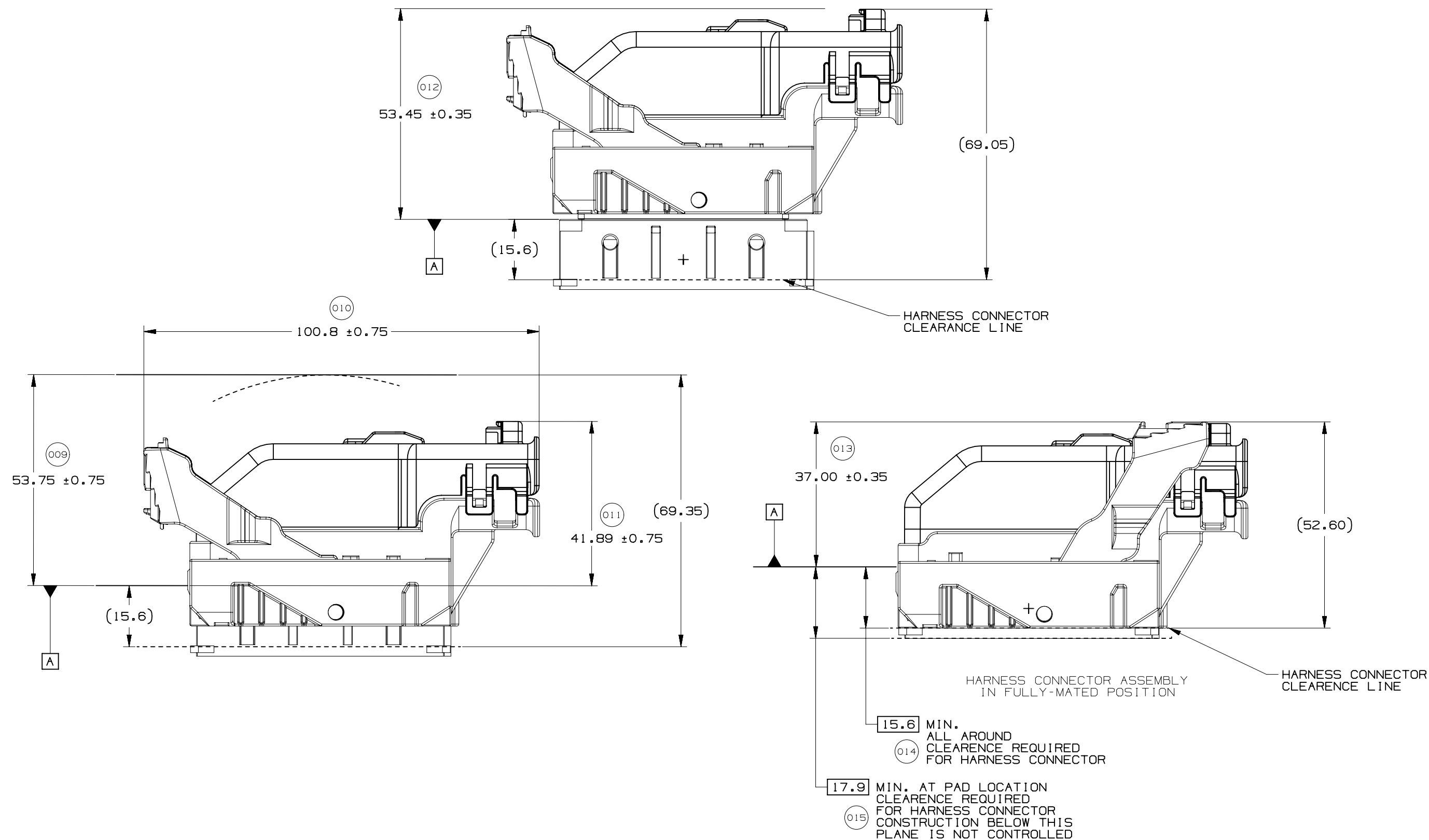


PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUMS B & C

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PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUM A

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12672833

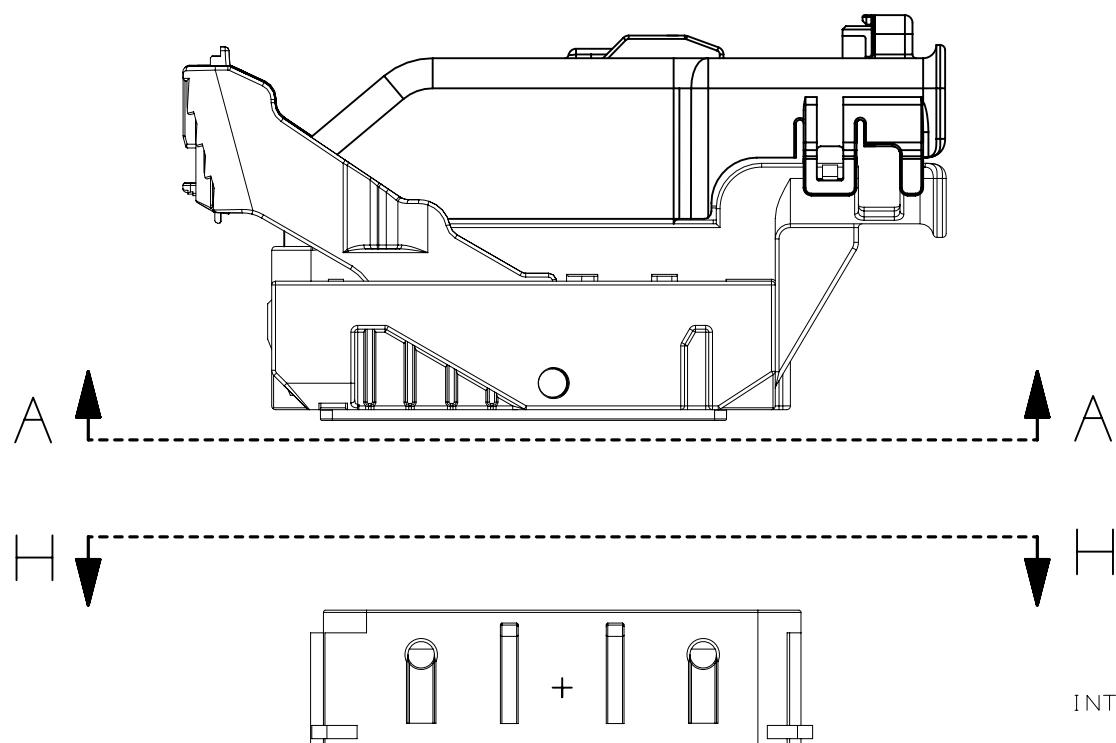
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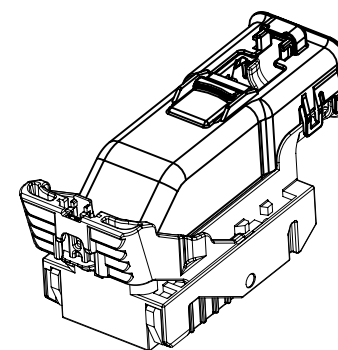
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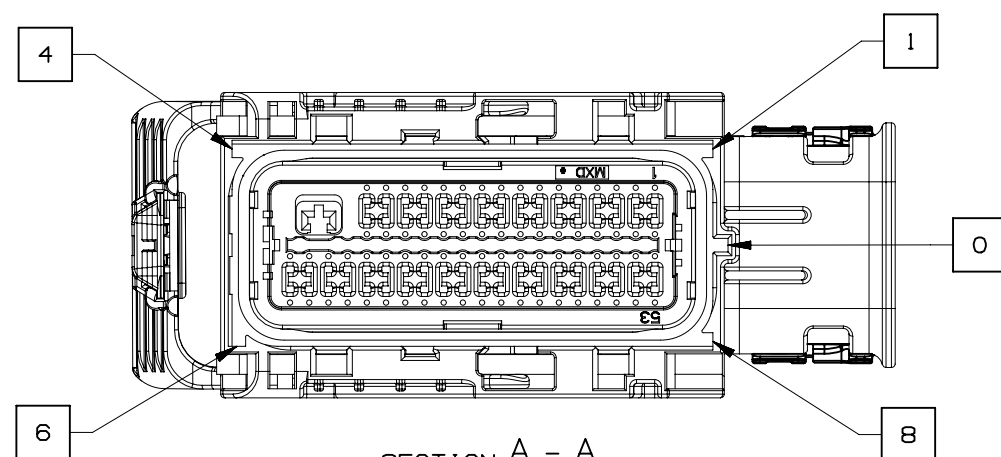
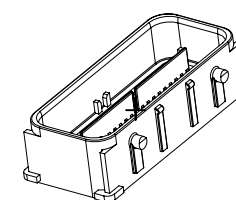
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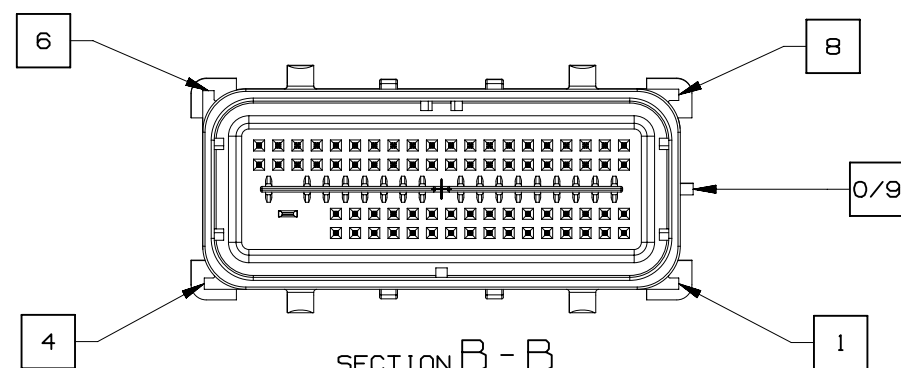
INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



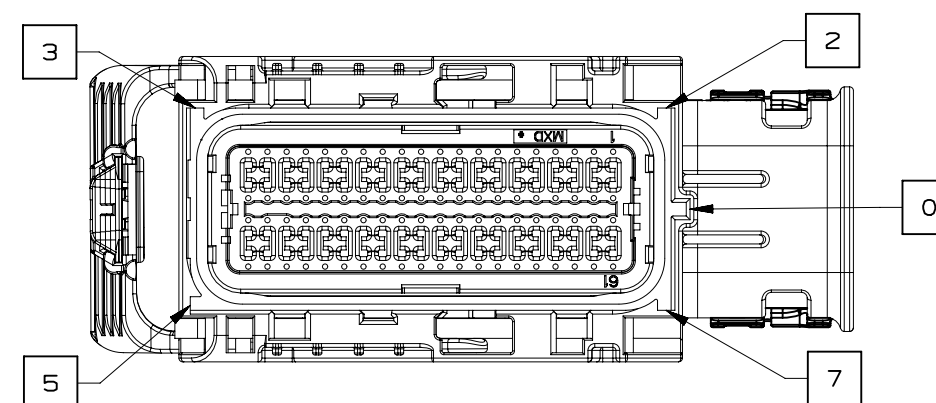
NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



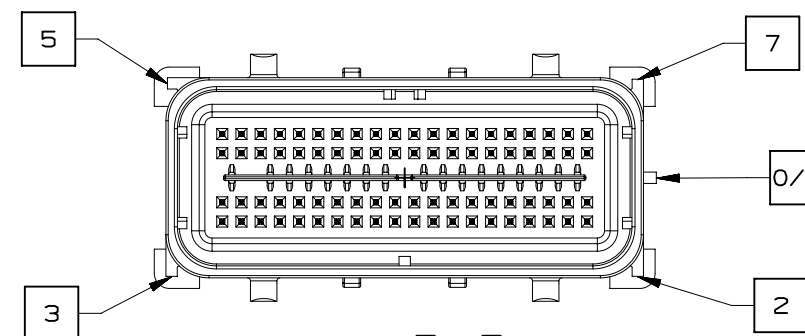
SECTION A - A
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



SECTION B - B
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



SECTION A - A
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



SECTION B - B
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



PAGE TITLE

KEY ID REF - WIRE DRESS OPTION 0

DRAWING NUMBER

12672833

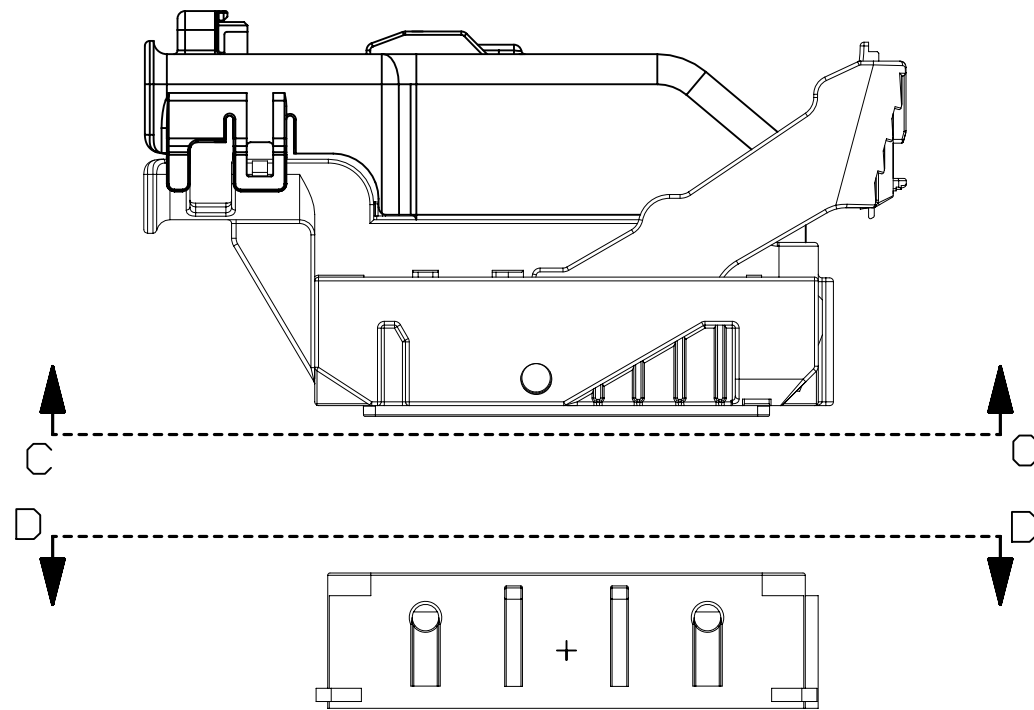
DWG STATUS

ST REV PDI

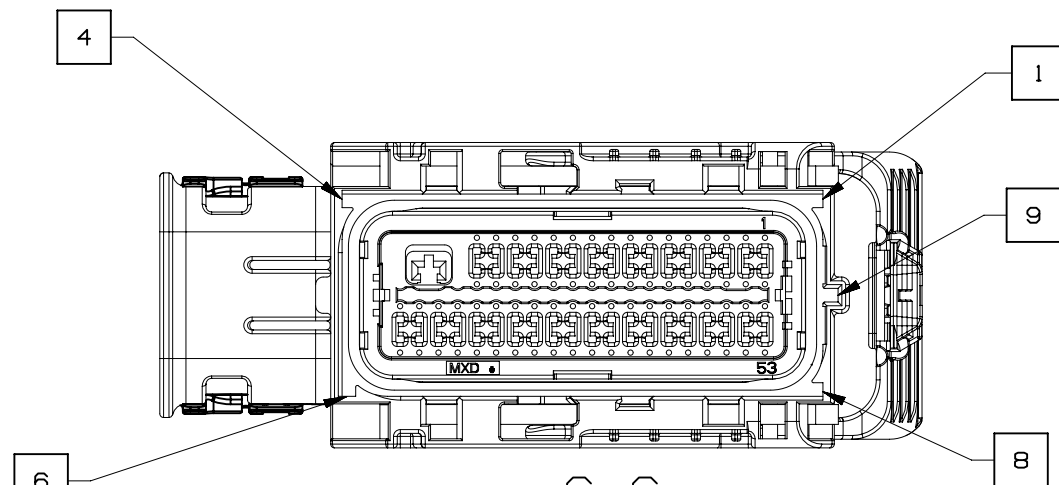
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PAGE NUMBER

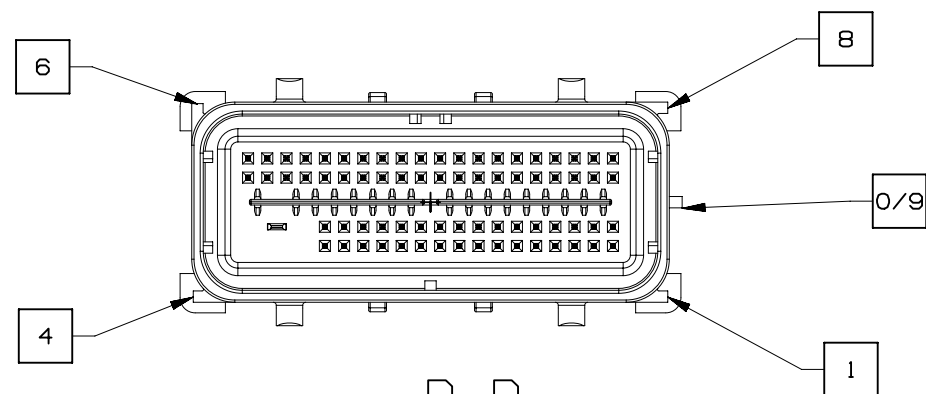
11 OF 22



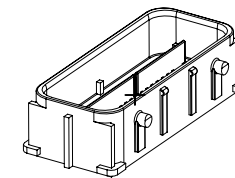
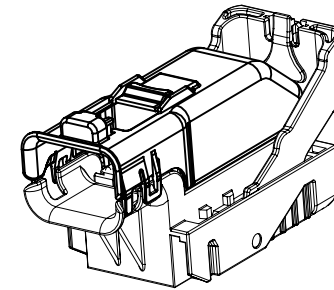
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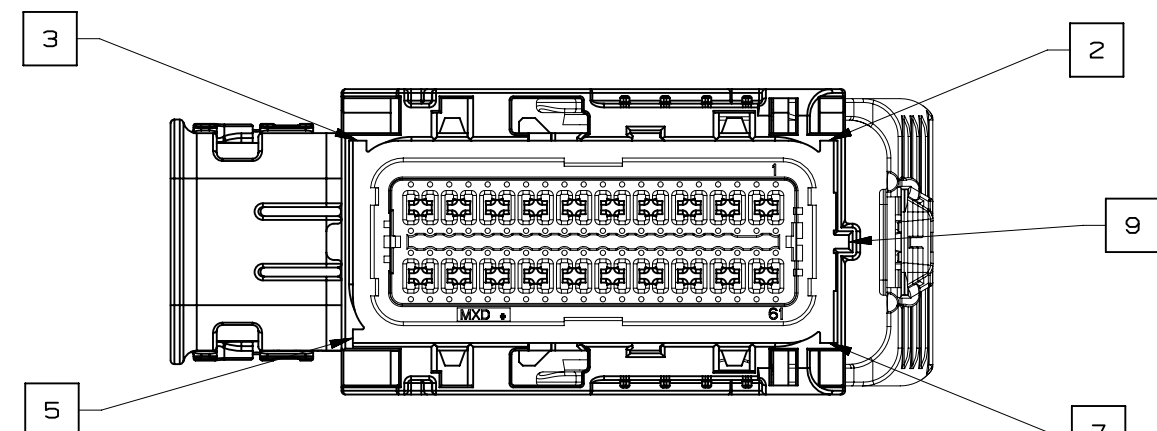
SECTION C - C
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



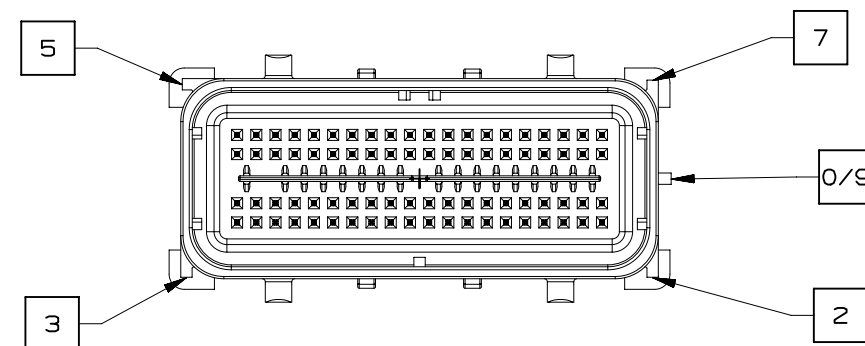
SECTION D - D
73 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



SECTION C - C
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



SECTION D - D
80 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN

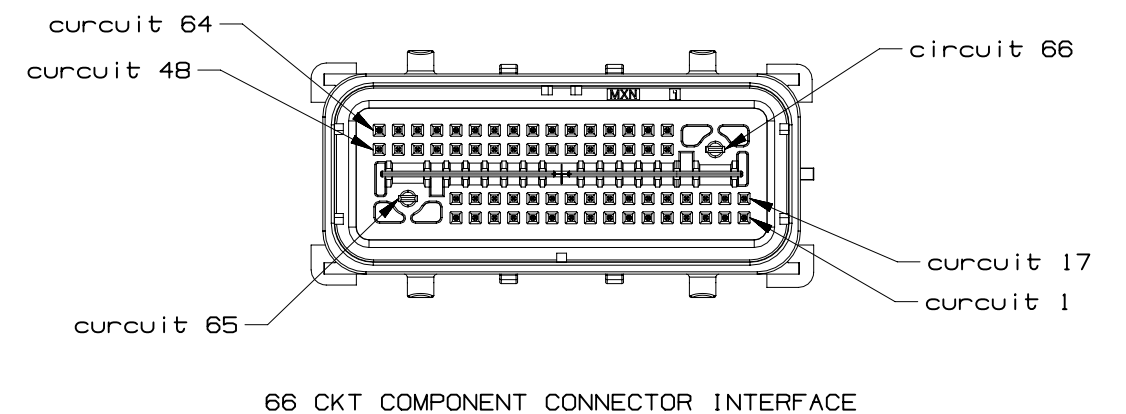
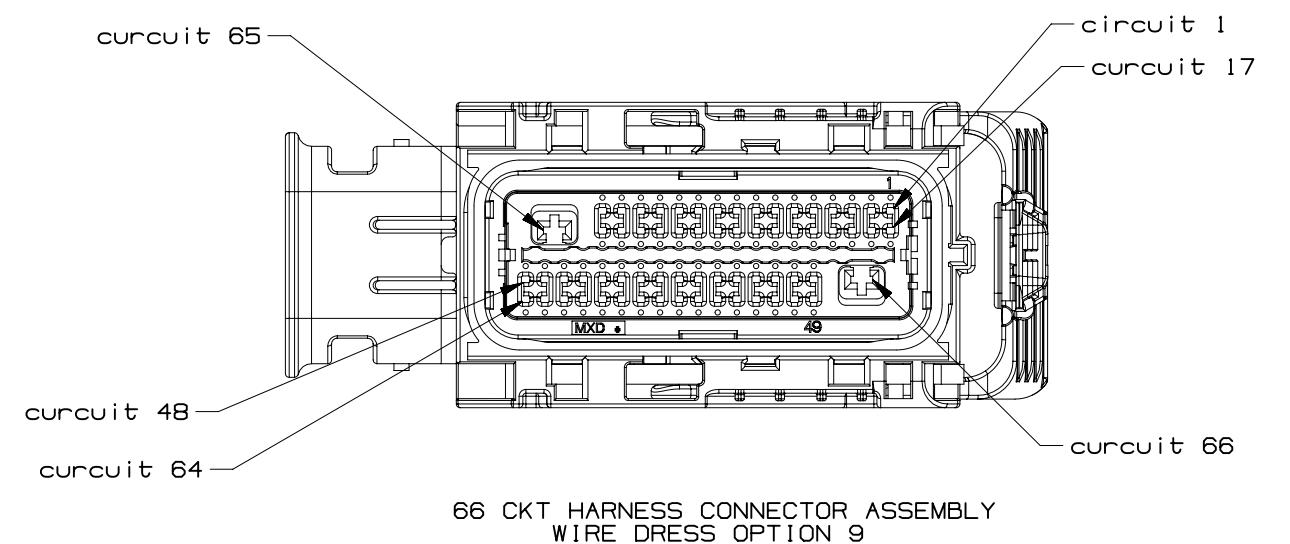
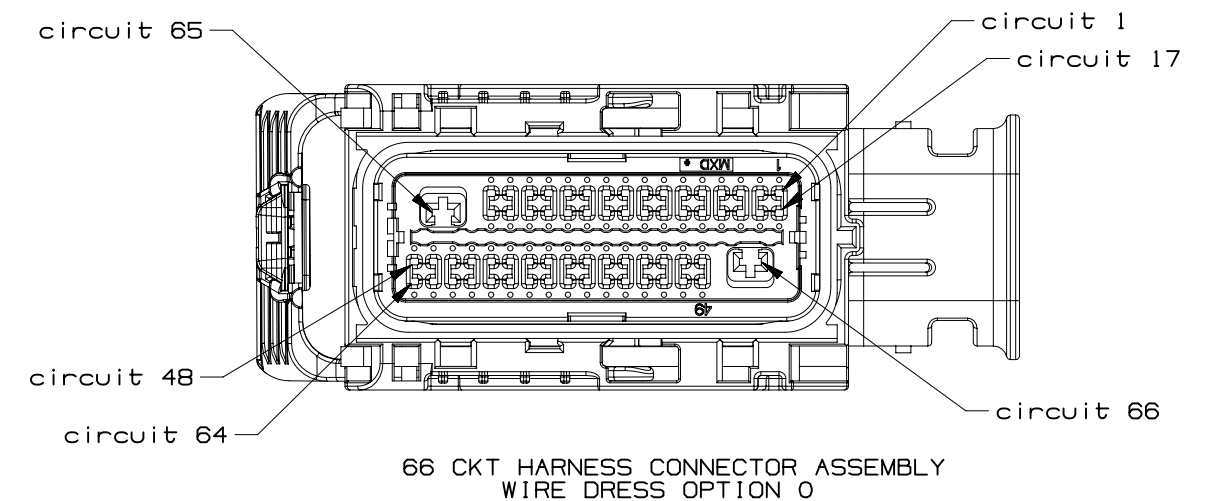
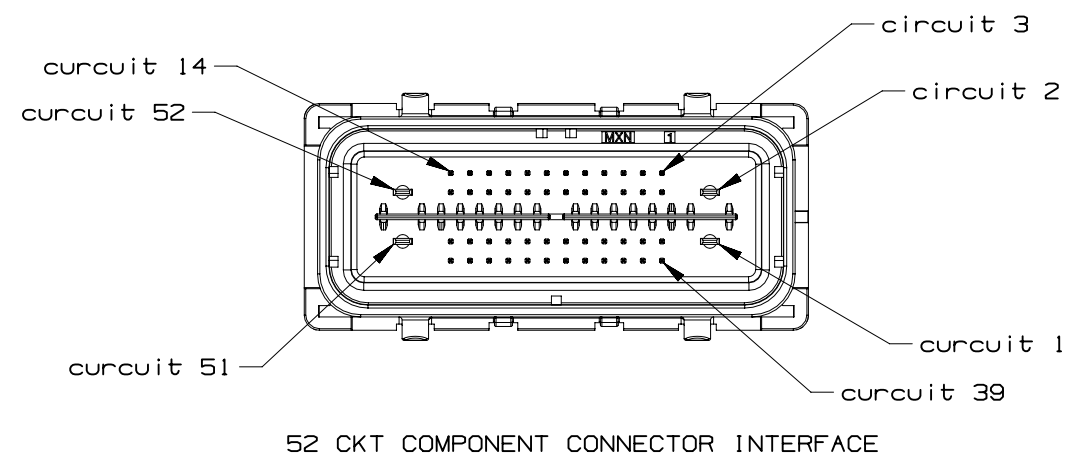
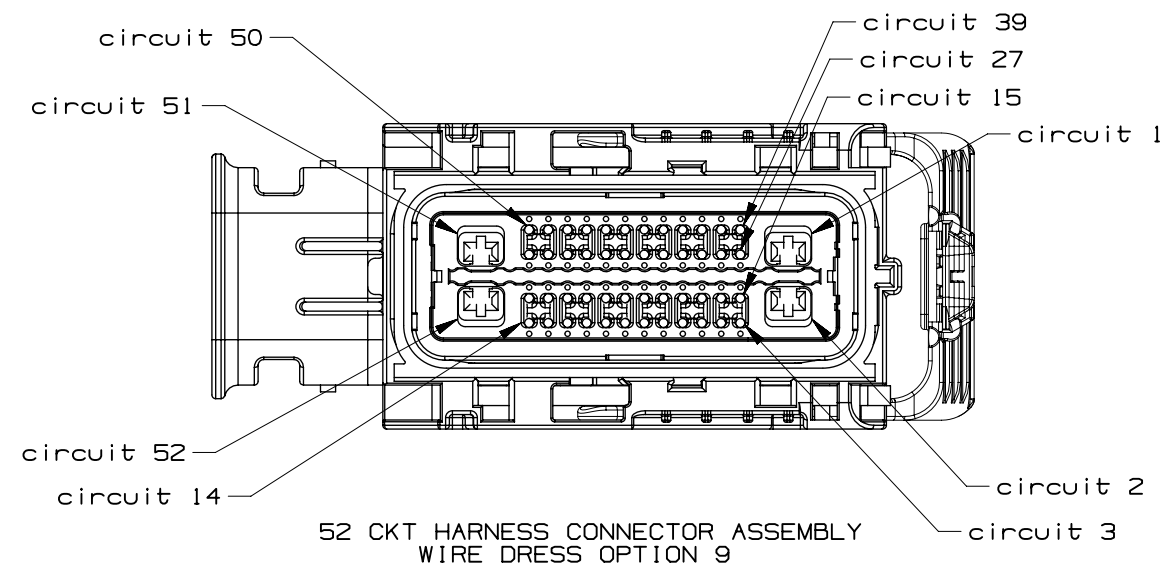
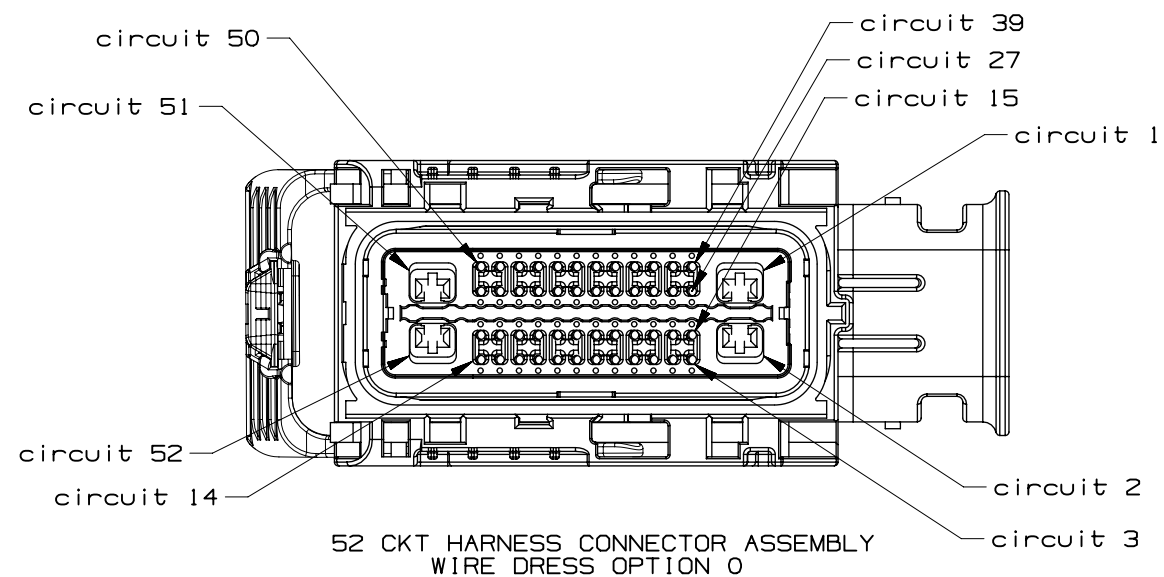


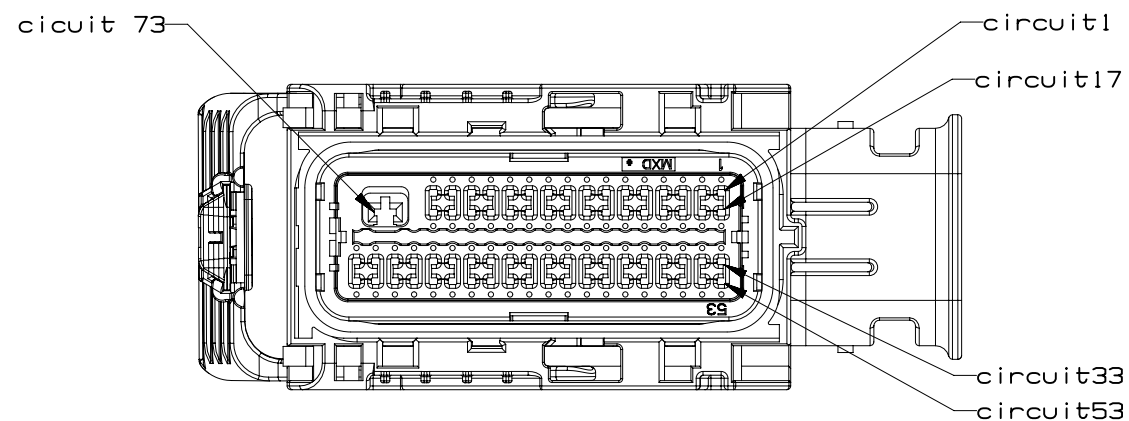
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DRAWING NUMBER
12672833

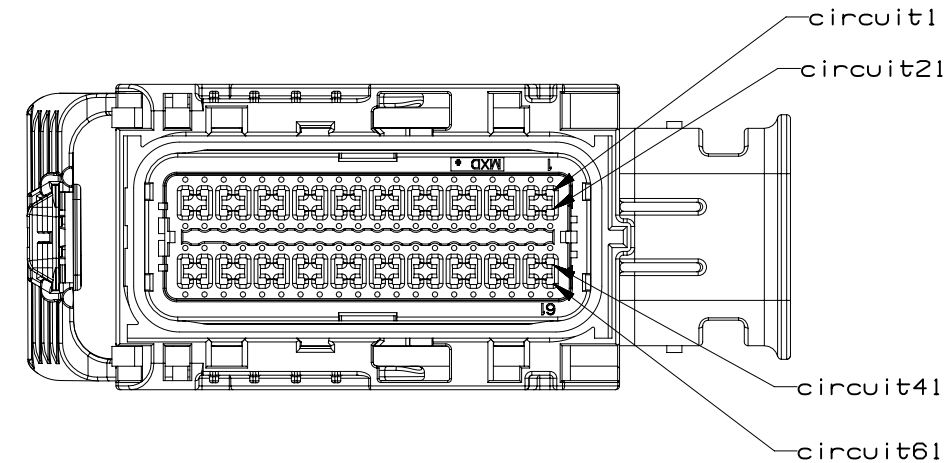
DWG STATUS		
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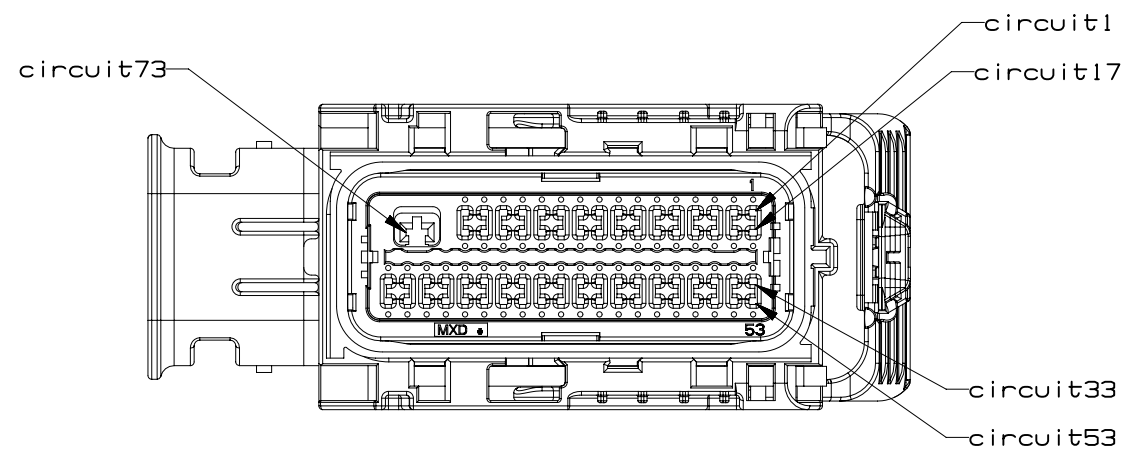


73 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

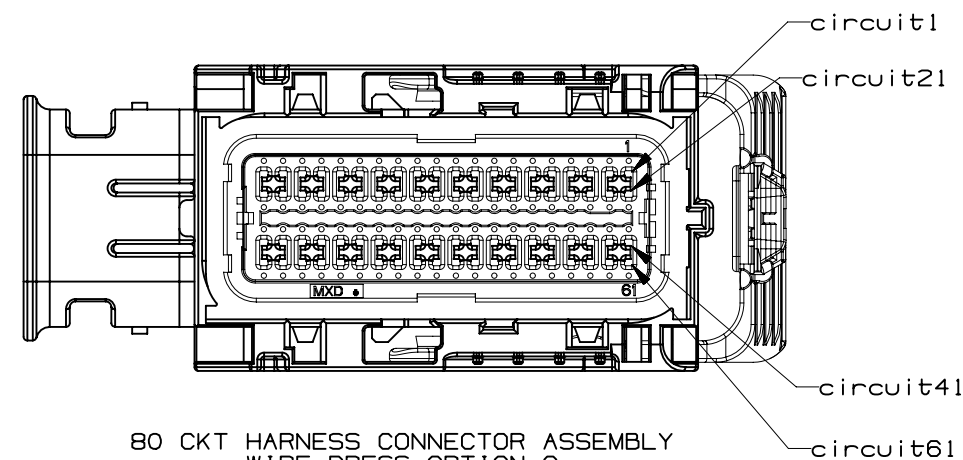


80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 0

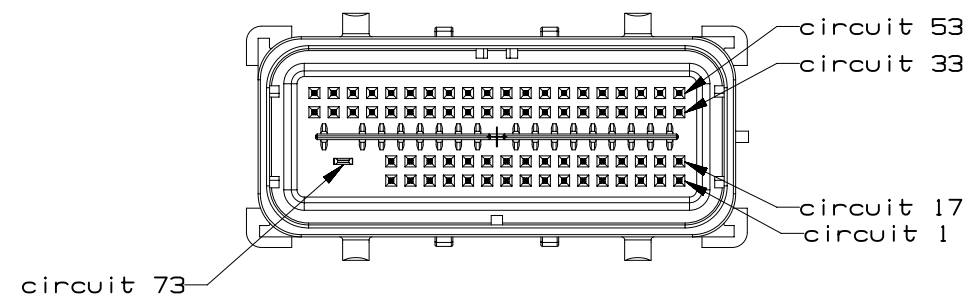
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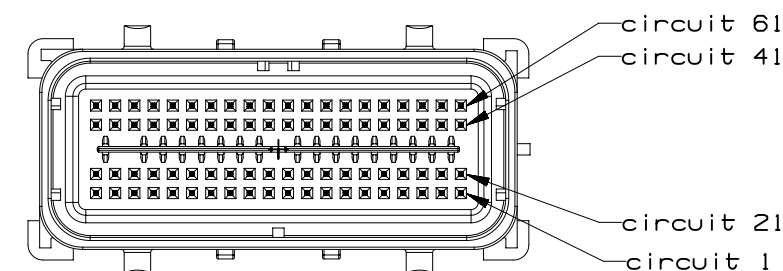
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WIRE DRESS OPTION 9



80 CKT HARNESS CONNECTOR ASSEMBLY
WIRE DRESS OPTION 9

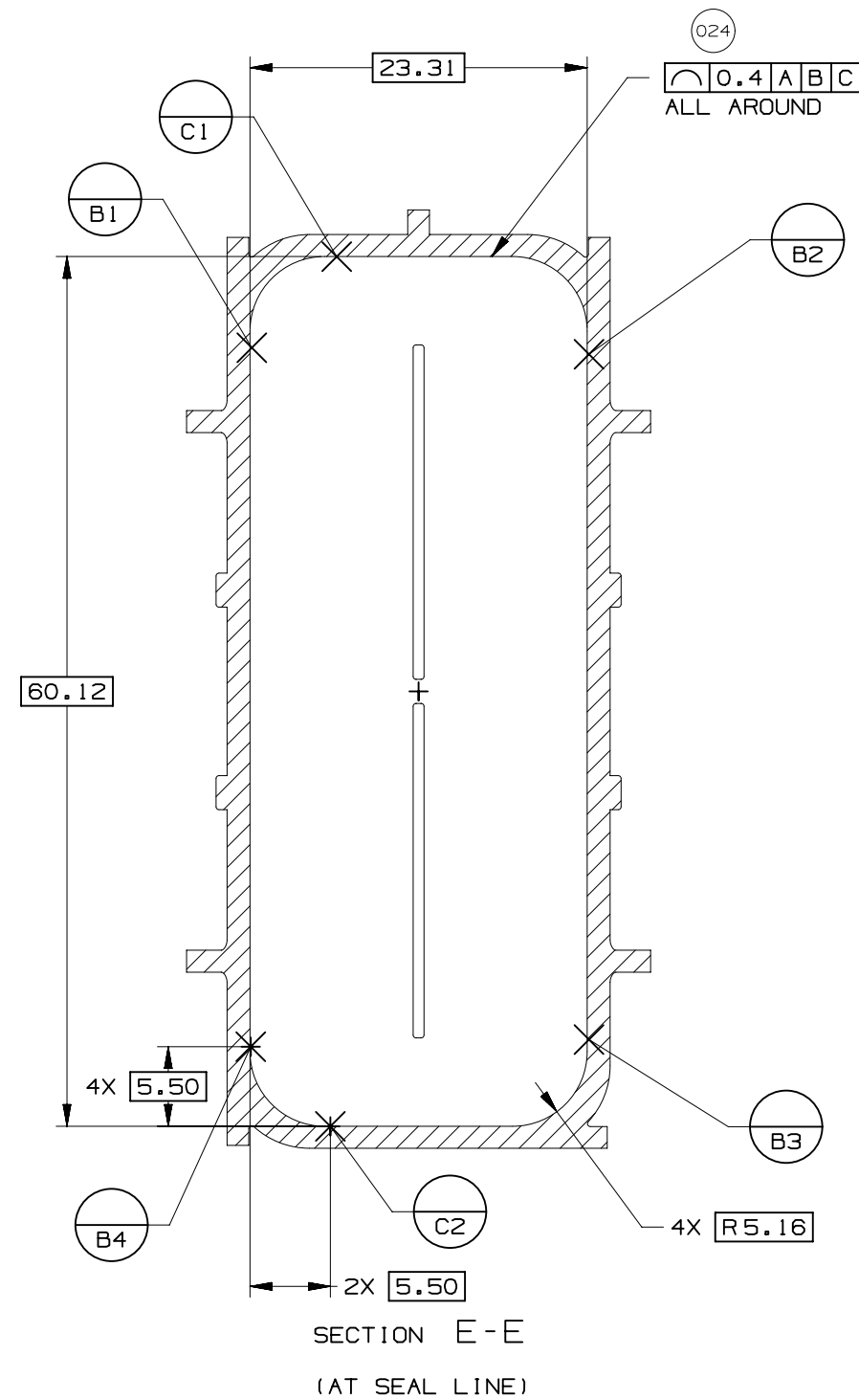
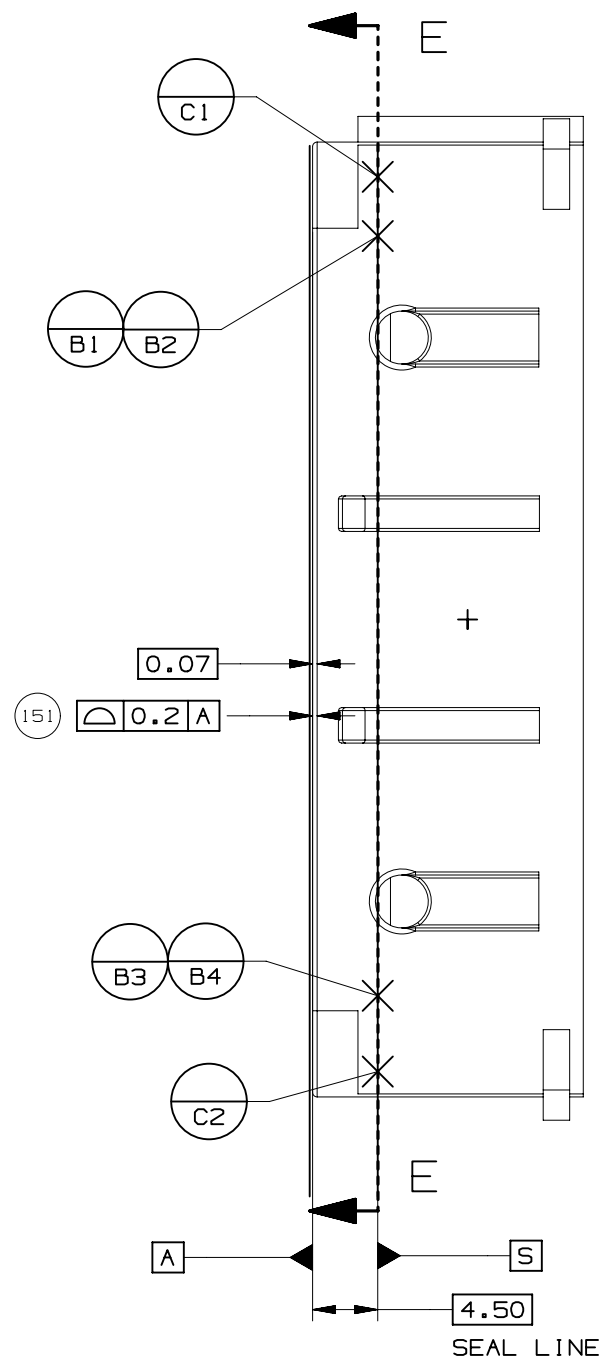
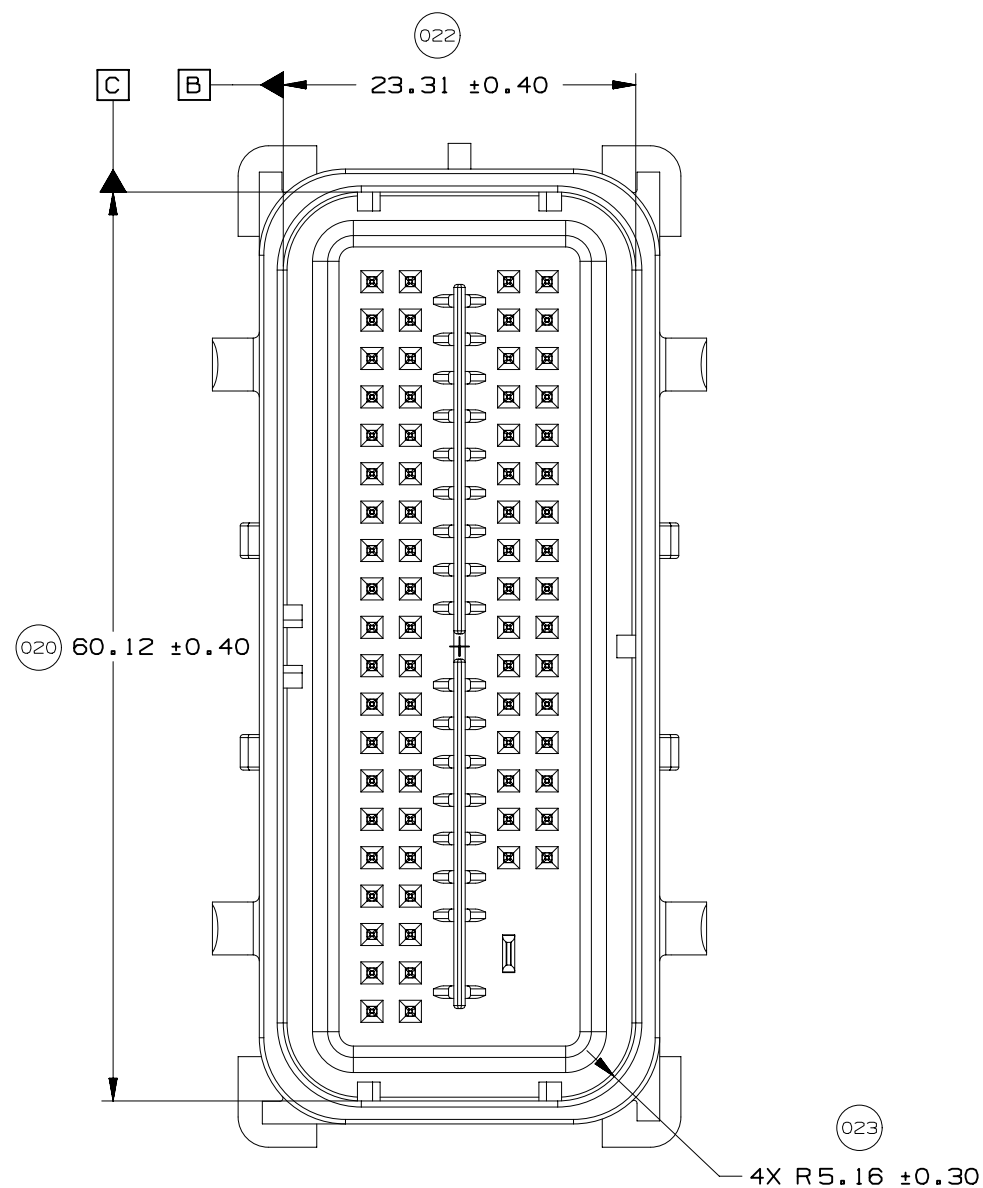
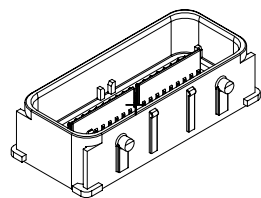


73 CKT COMPONENT CONNECTOR INTERFACE



80 CKT COMPONENT CONNECTOR INTERFACE





UNLESS SPECIFIED, TOLERANCE OF THE COMPONENT CONNECTOR INTERFACE TO BE 0.13 A B C

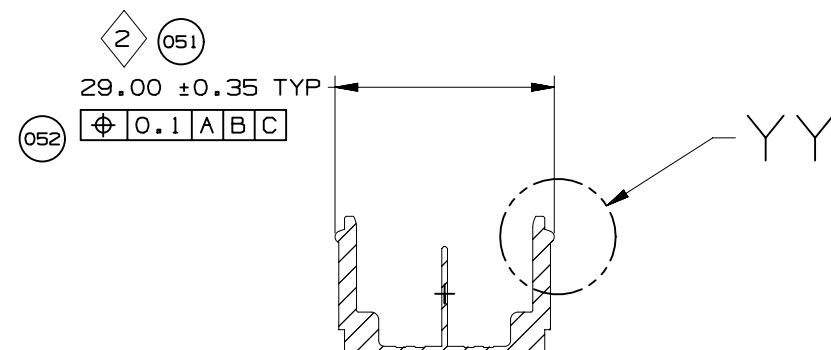
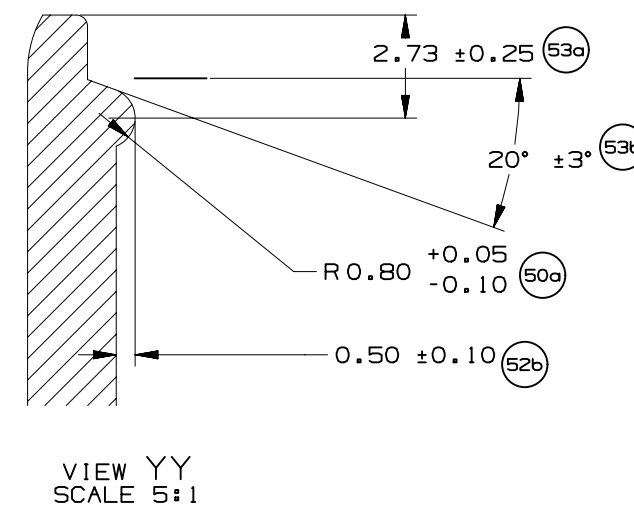
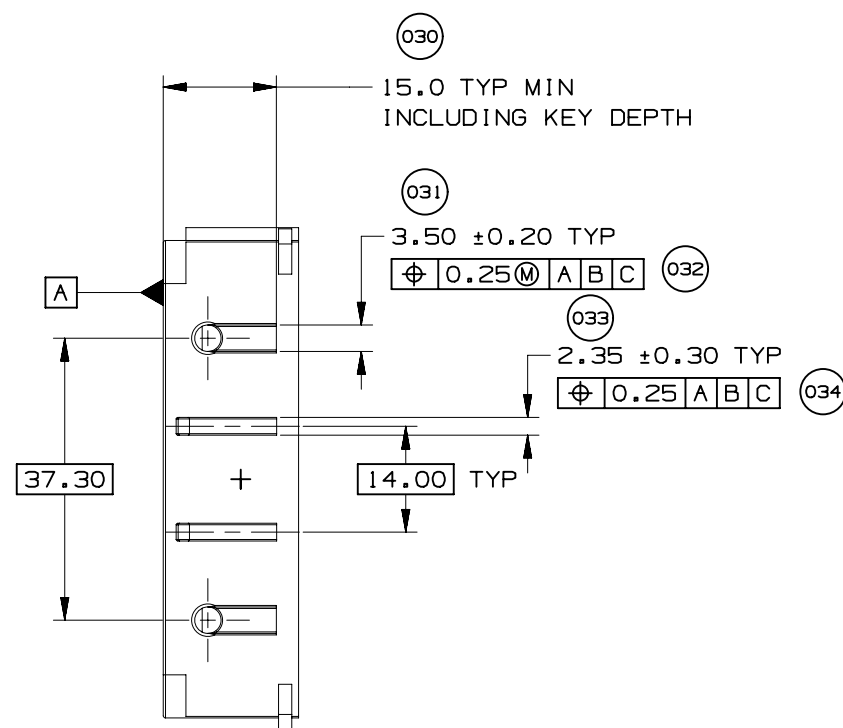
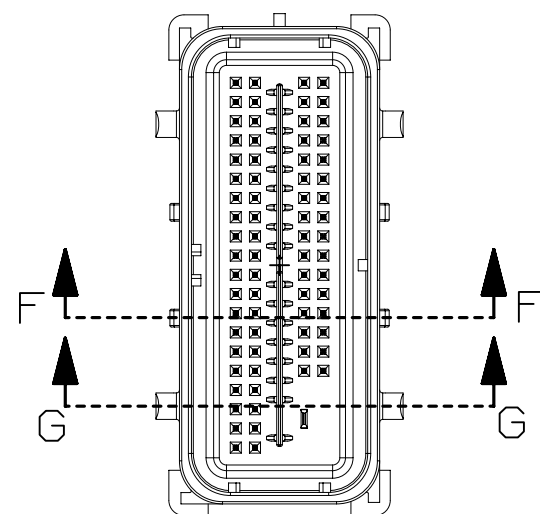


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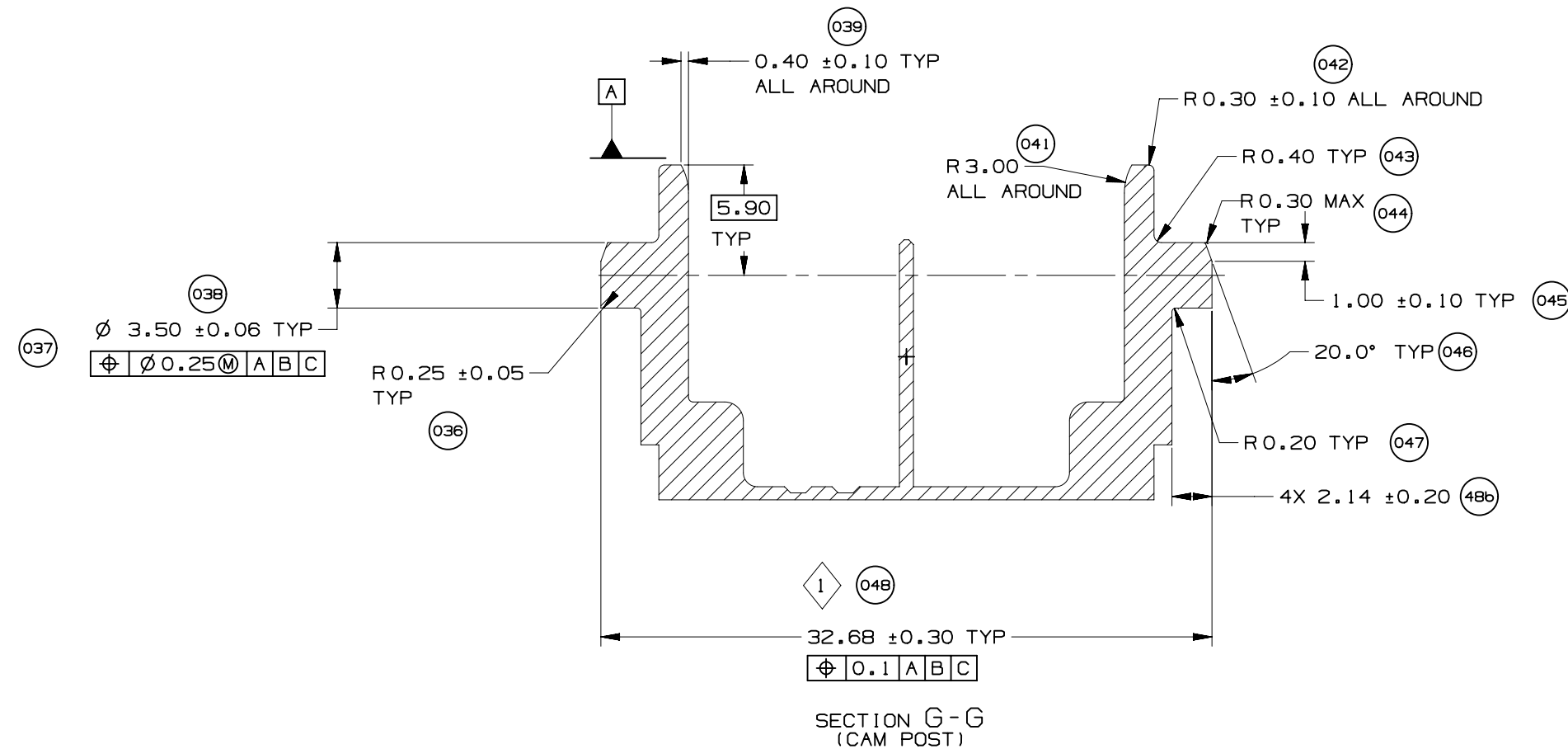
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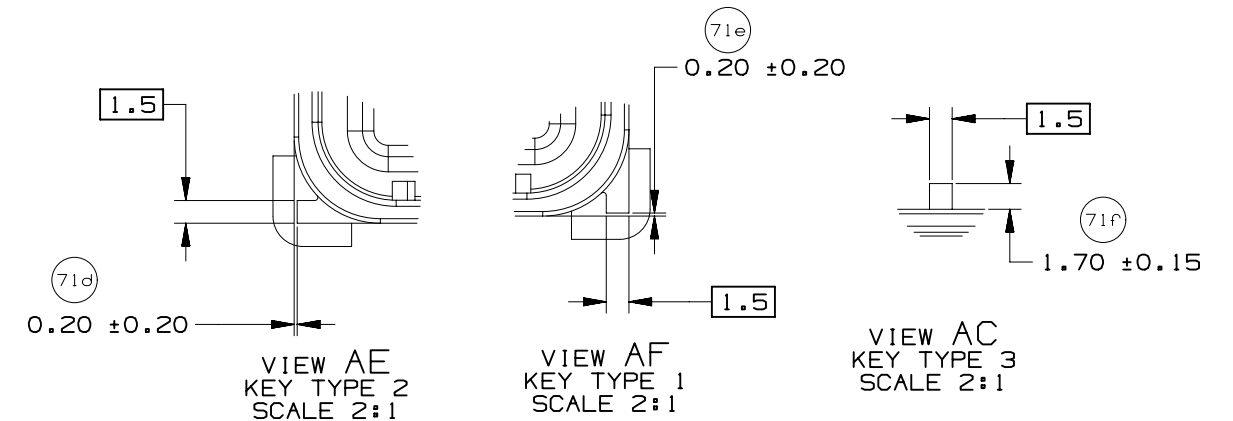
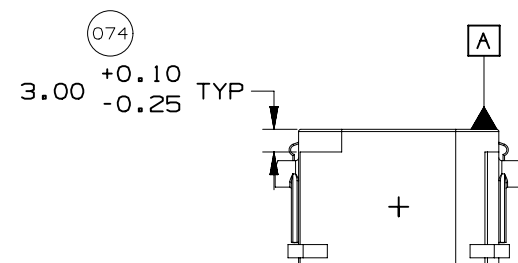
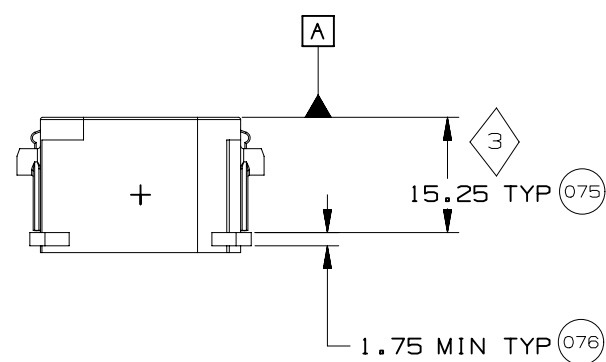
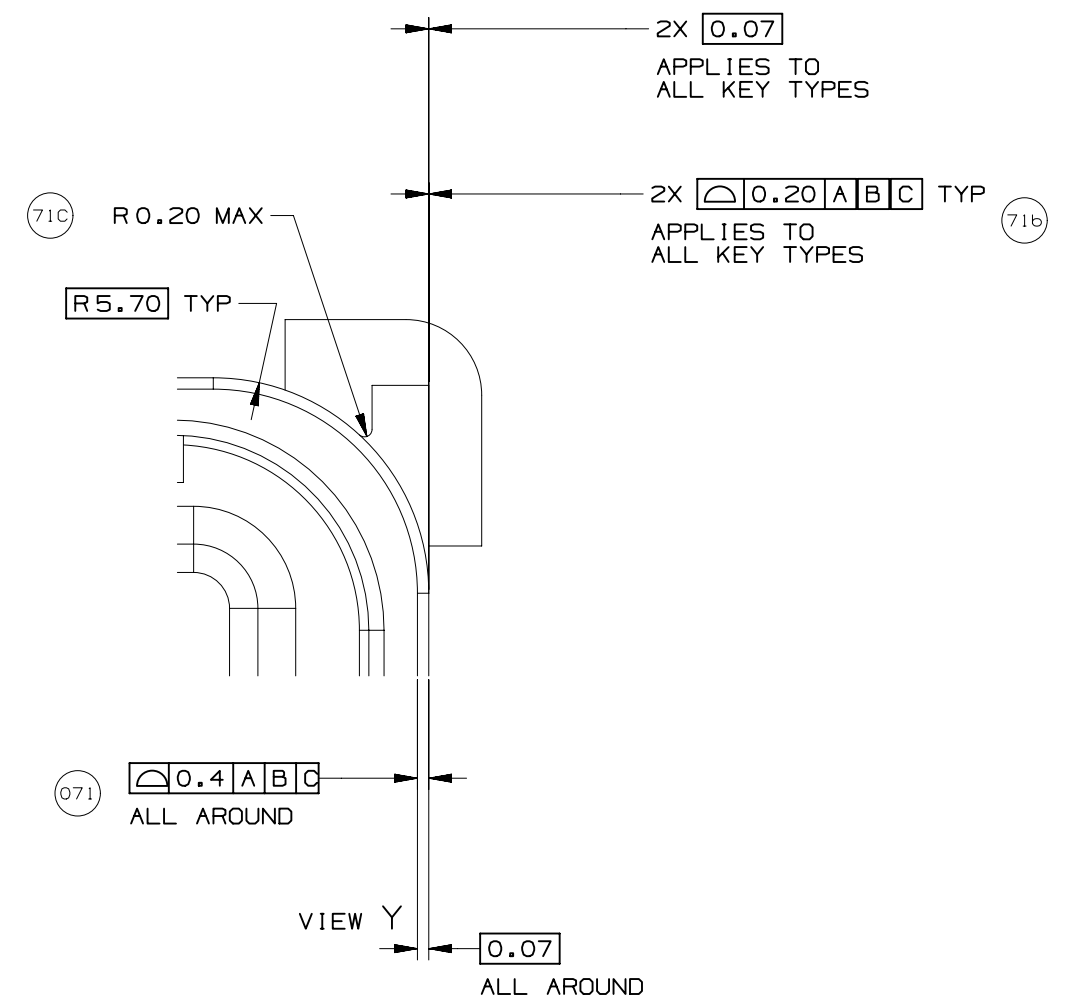
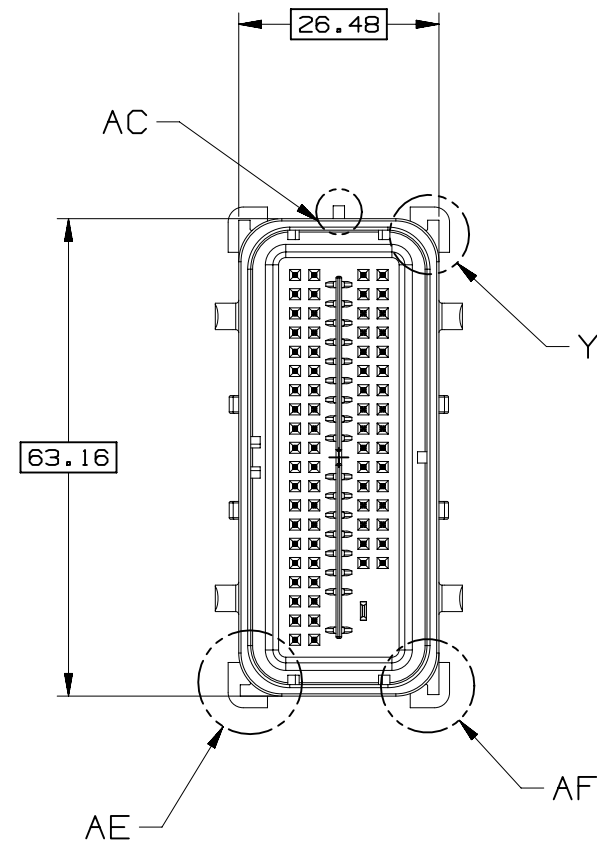
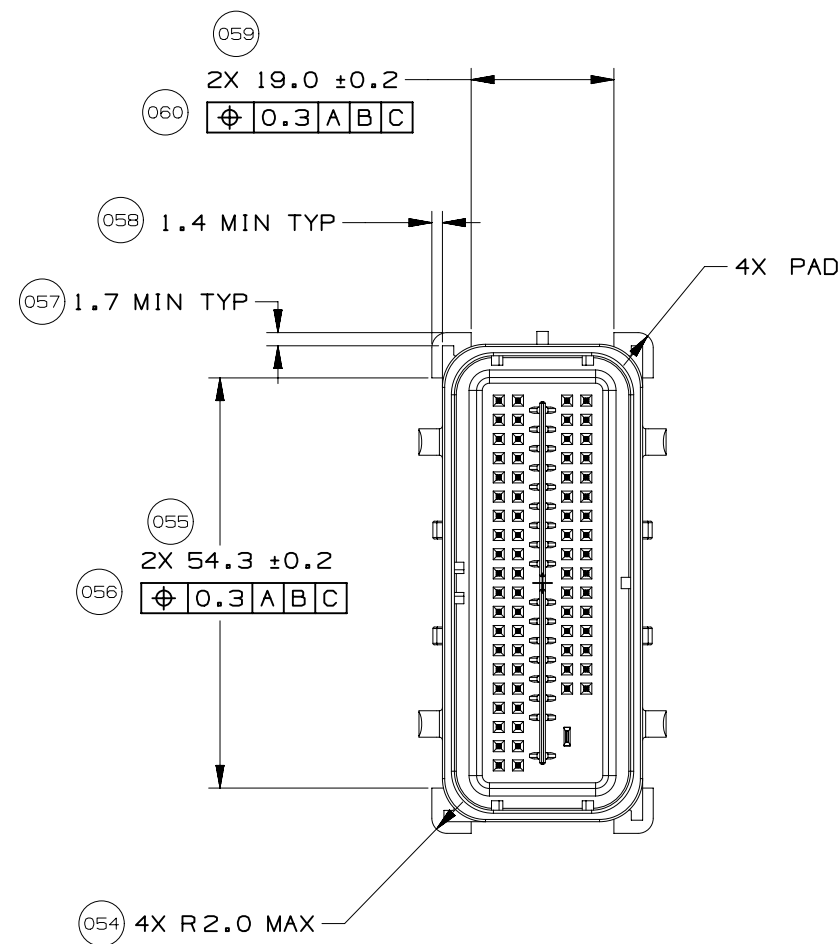
DWG STATUS		
ST	REV	PD1
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SECTION F-F
(RELEASE FEATURE)

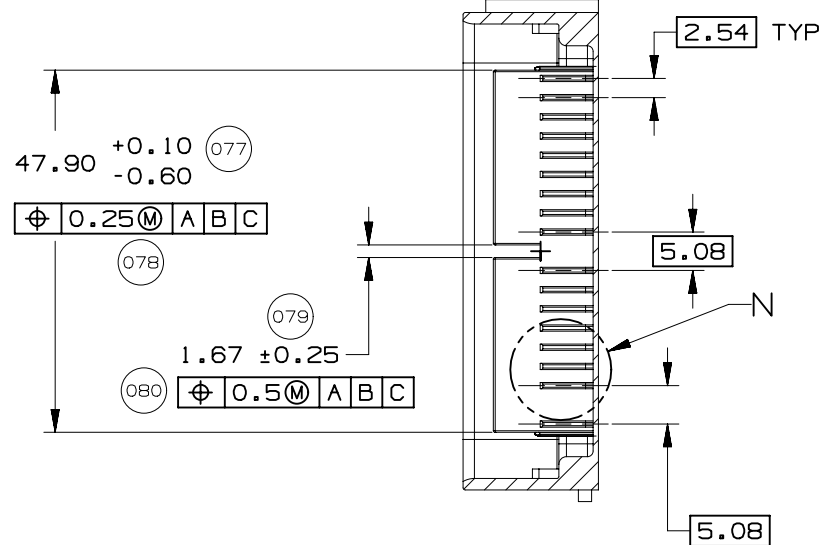
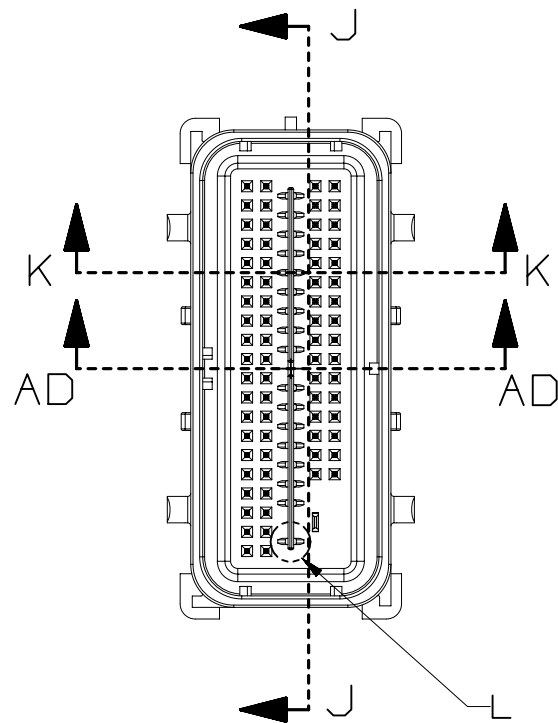




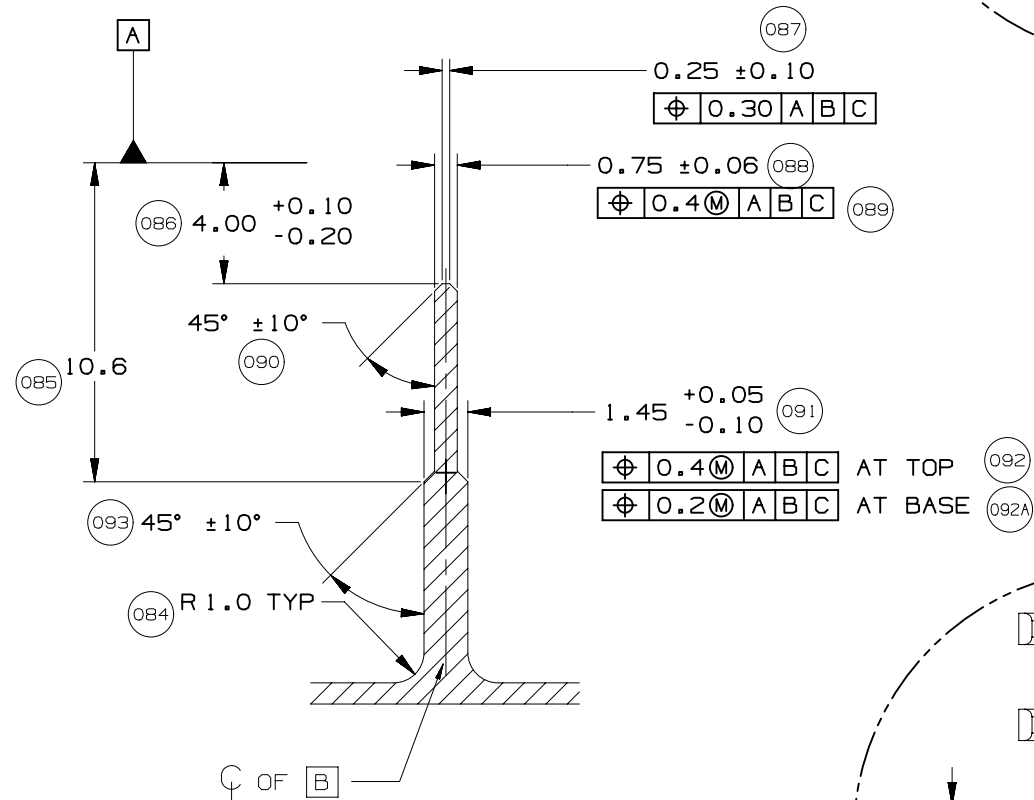
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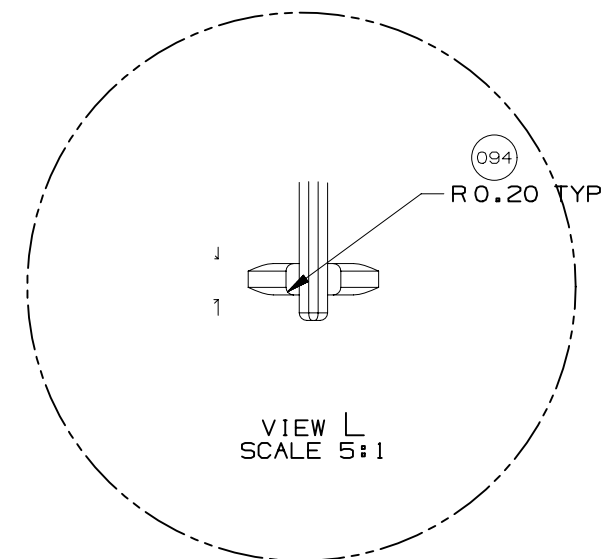
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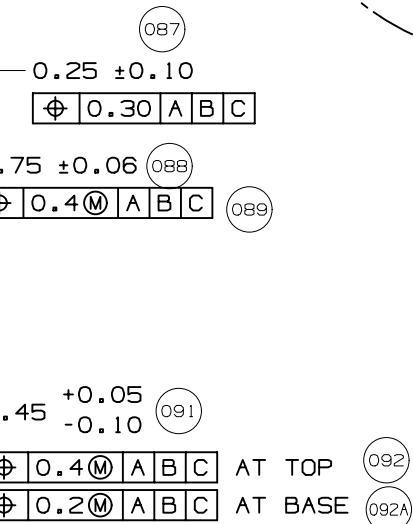
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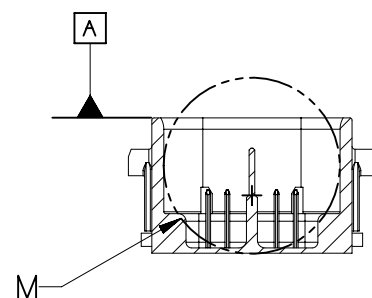
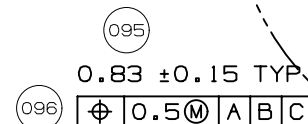
DETAIL M
TYPICAL
SCALE 4:1



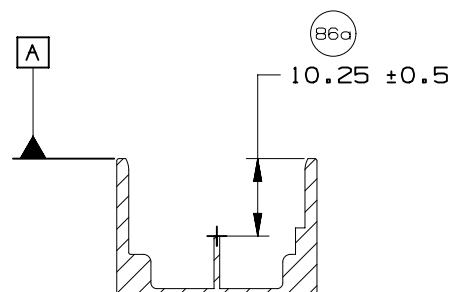
VIEW L
SCALE 5:1



DETAIL N
SCALE 5:1

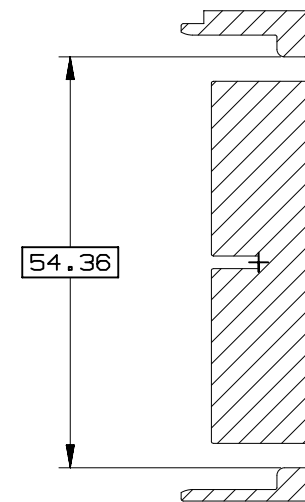
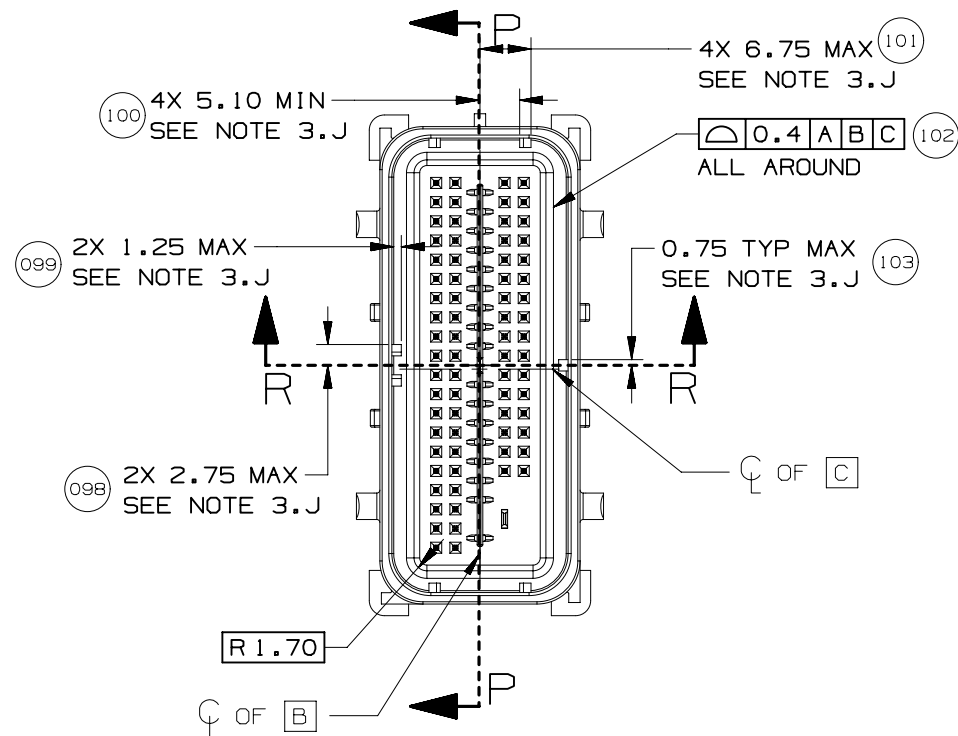


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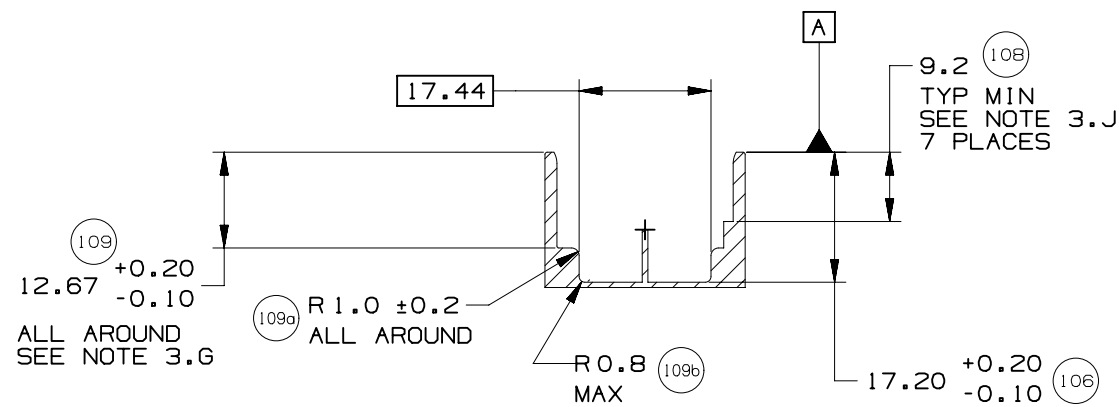


SECTION AD-AD





SECTION P-P



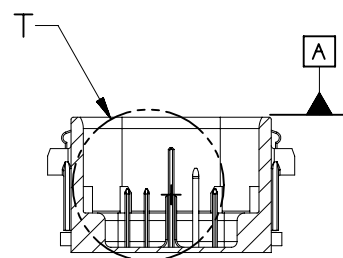
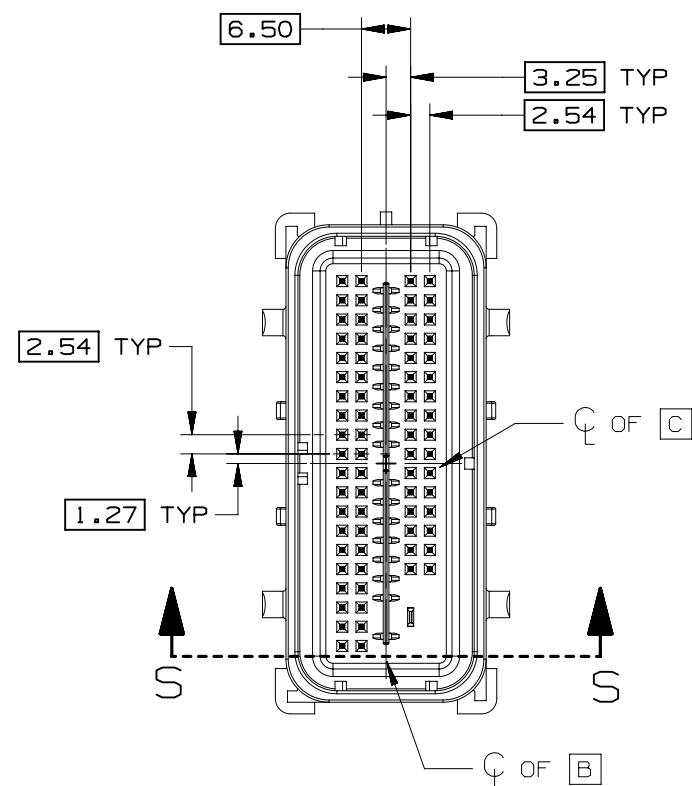
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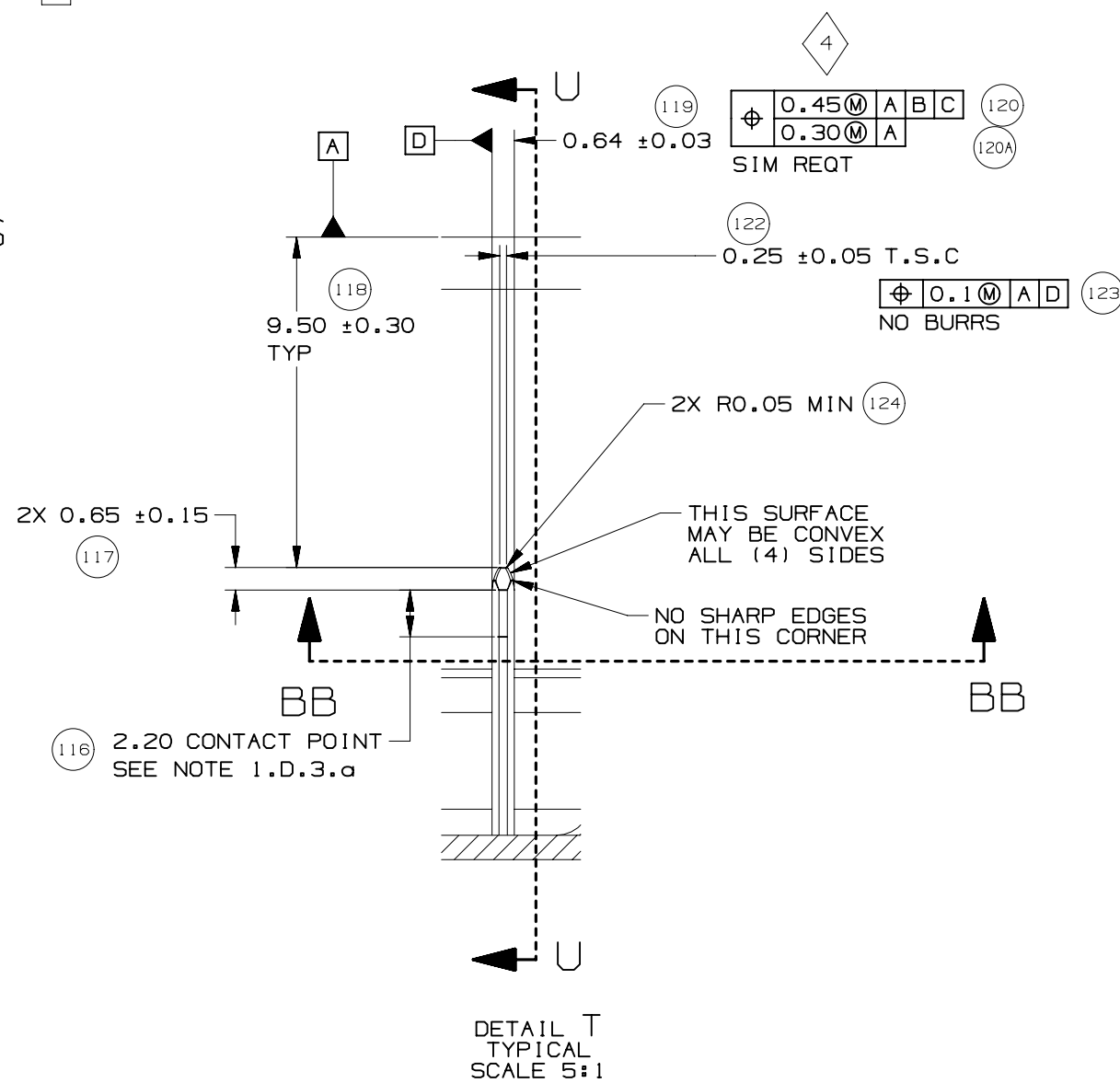
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COMPONENT CONNECTOR INTERFACE

DRAWING NUMBER
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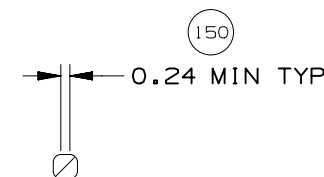
DWG STATUS			PAGE NUMBER	
ST	REV	PD1	19	OF 22
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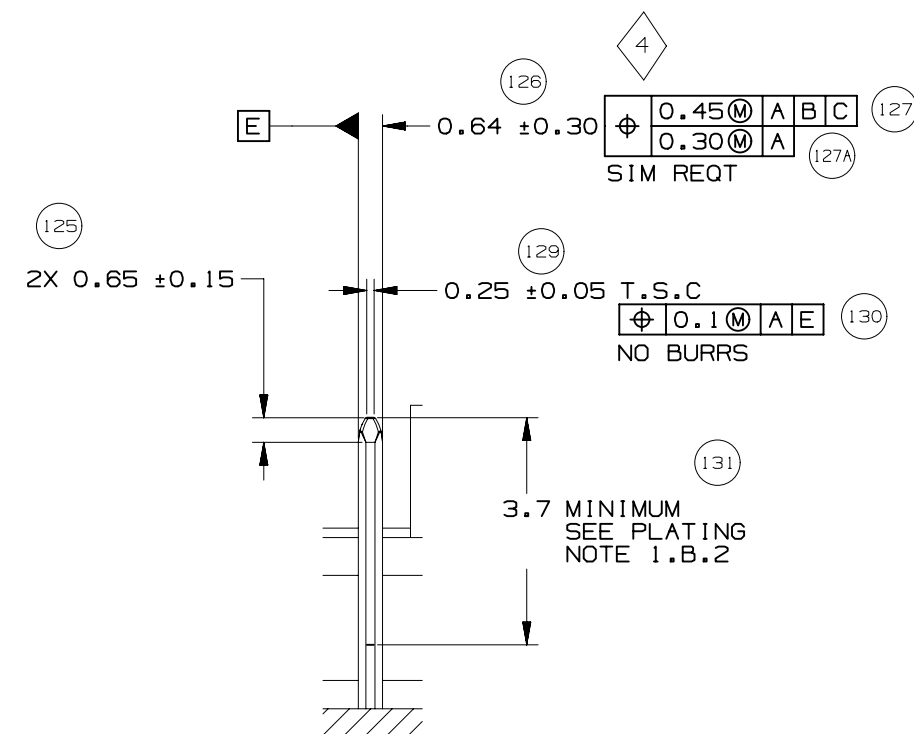
SECTION S-S



DETAIL T
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SCALE 5:1

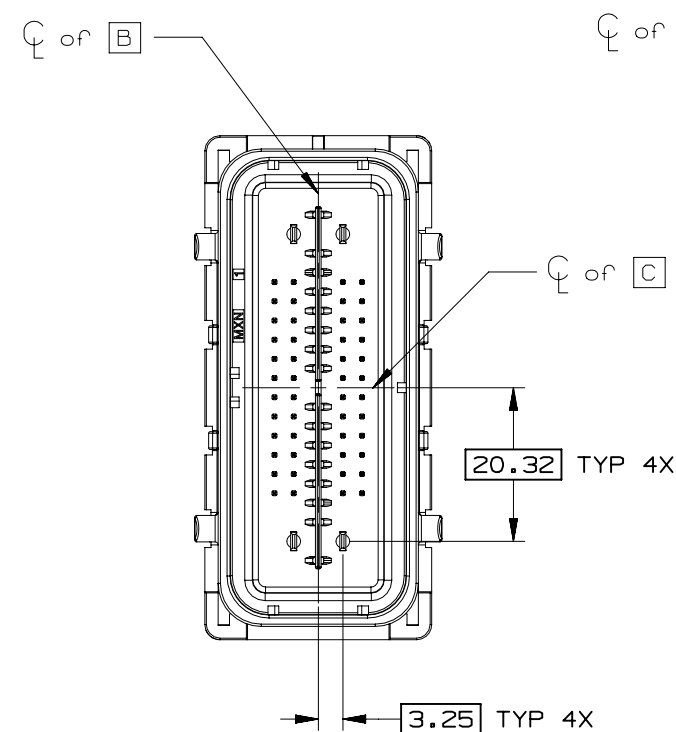


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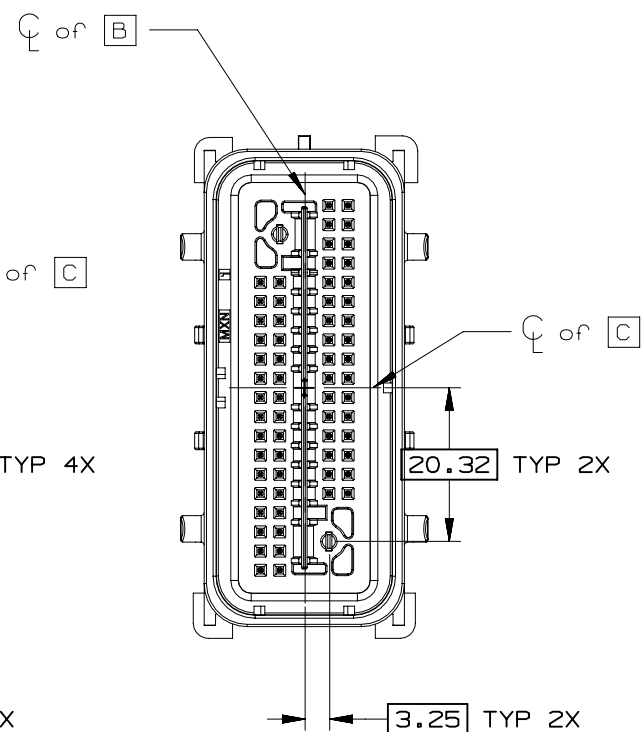


SECTION U-U
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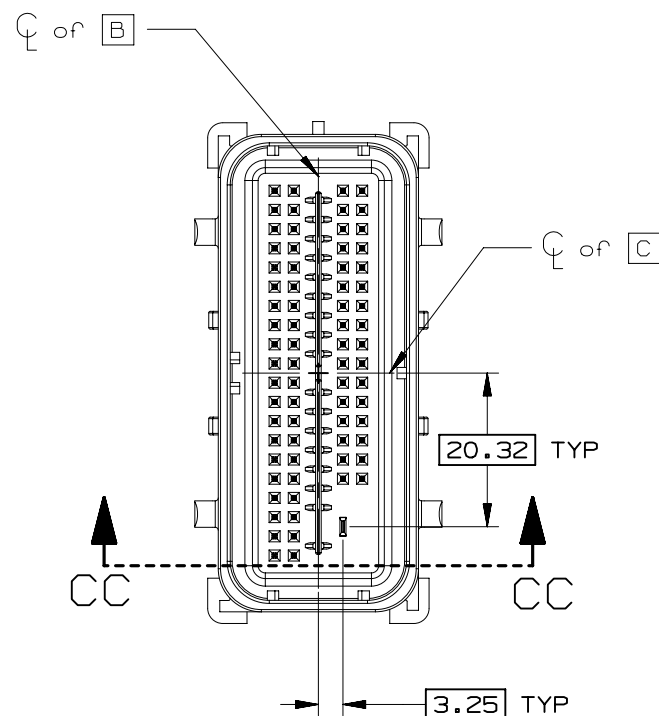




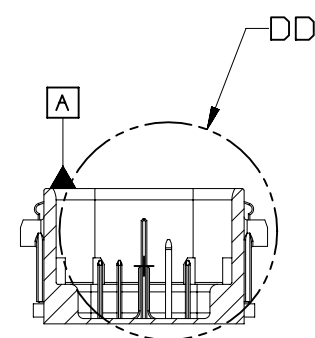
52 CKT COMPONENT
CONNECTOR INTERFACE



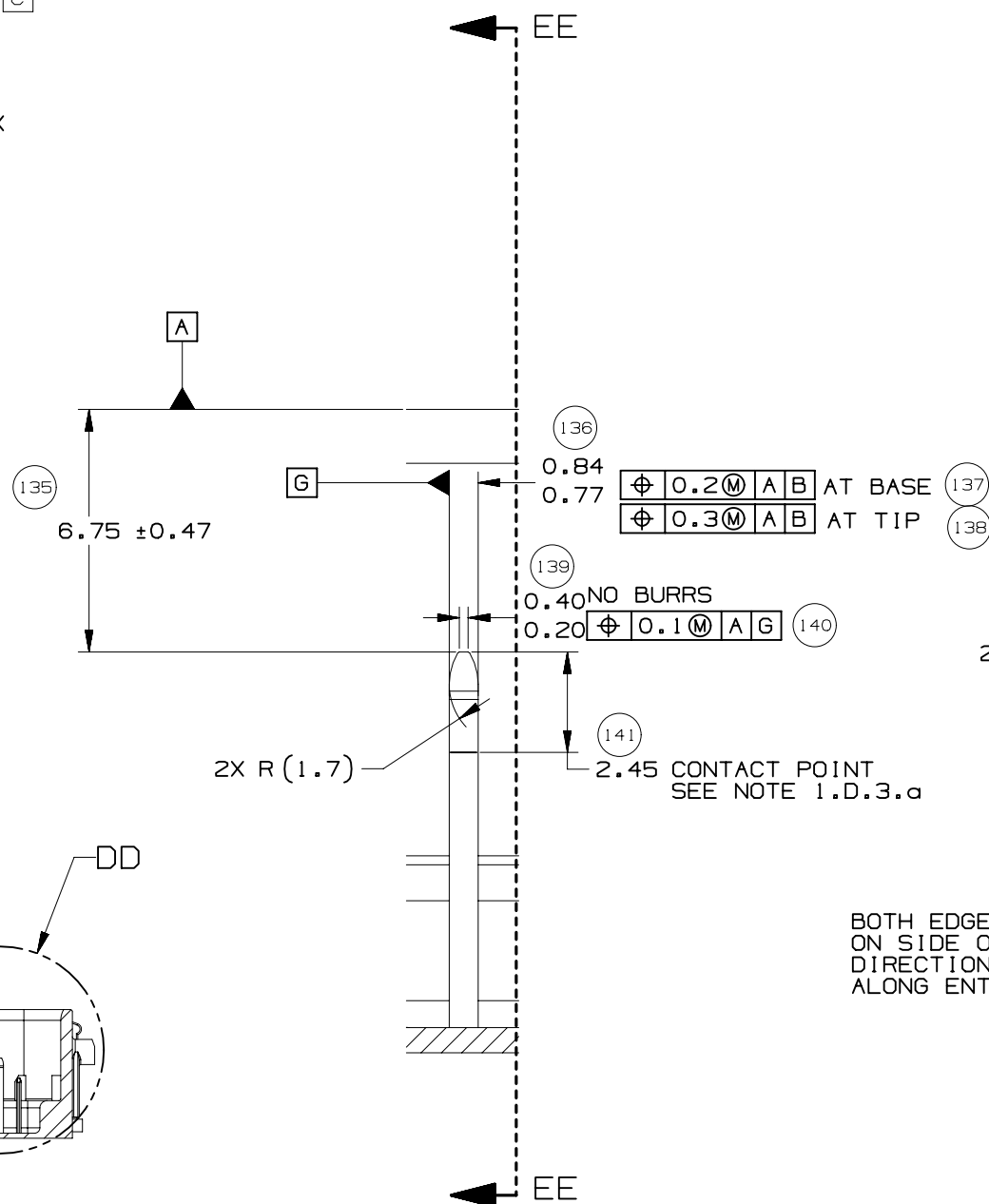
66 CKT COMPONENT
CONNECTOR INTERFACE



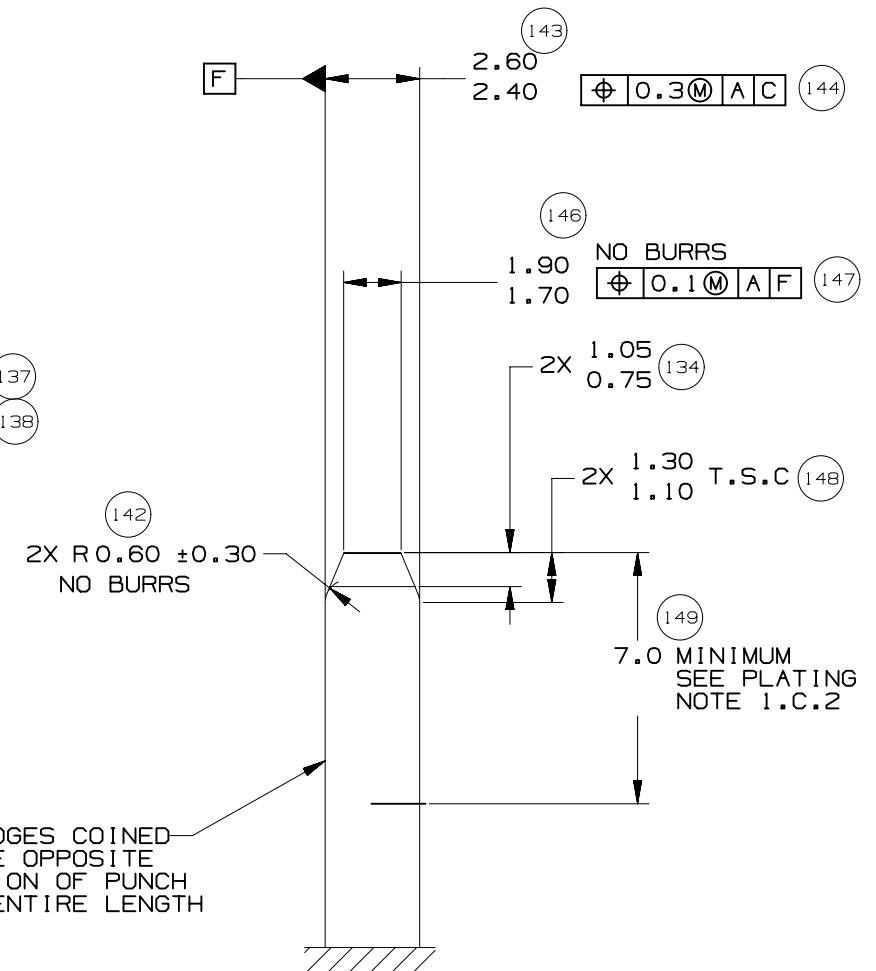
73 CKT COMPONENT
CONNECTOR INTERFACE



SECTION CC-CC



DETAIL DD
TYPICAL
SCALE 5:1



SECTION EE-EE
TYPICAL



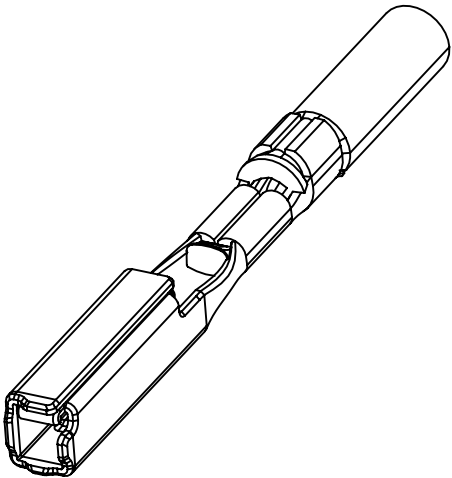
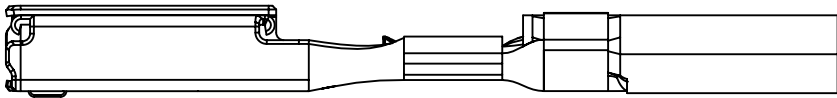
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DWG STATUS		
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R	001	

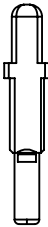
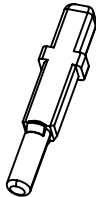
PAGE NUMBER
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MOLEX MX64 RECEPTACLE TERMINAL INFORMATION							
ITEM	MOLEX P/N	GM P/N	WIRE SIZE MM2	TYPE	PLATING	REEL WIND DIRECTION	COMMENTS
1	34736-0025		0.35	ISO	SILVER	LEFT	
2	34736-0026	12672850	0.35	ISO	SILVER	RIGHT	
3	34736-0027		0.5 / 0.75	ISO	SILVER	LEFT	
4	34736-0028	12672851	0.5 / 0.75	ISO	SILVER	RIGHT	

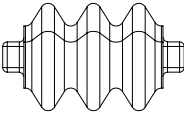
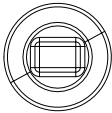


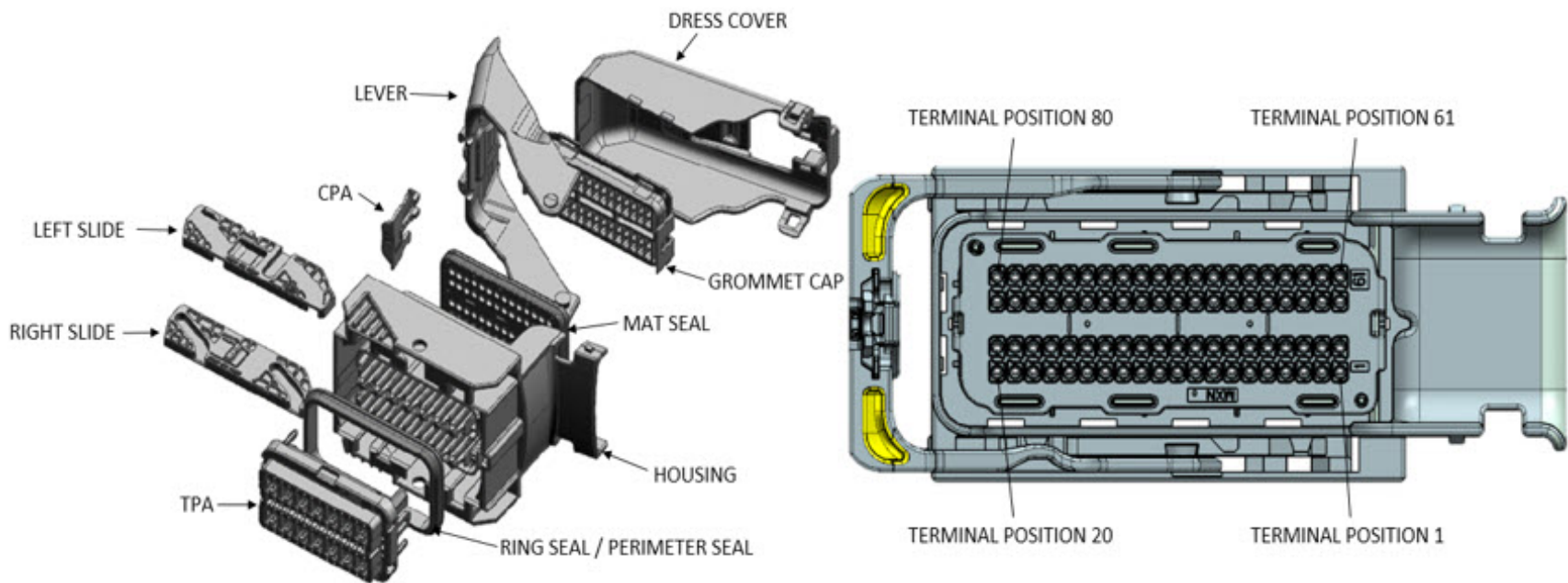
CAVITY PLUGS									
ITEM	MFG	MFG P/N	GM P/N RD	SIZE	COLOR	MFG DRAWING	PROD SPEC	APP SPEC	COMMENTS
1	MOLEX	34586-0001	12674820	0.64	NATURAL	SD-34586-001	PS-34566-0000	AS-34566-001	
2	YAZAKI	7158-3114-90	12674821	2.8	BLUE	7158-3114-90	YPES-11-04-062	YPES-15-299	

ITEM 1



ITEM 2





ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
G-CAP-0-P	GROMMET CAP OPTION 0 PLUGGED	BLACK	SPS/PA, G.F 30%
G-CAP-0-O	GROMMET CAP OPTION 0 ALL OPEN	BLACK	SPS/PA, G.F 30%
G-CAP-9-P	GROMMET CAP OPTION 9 PLUGGED	BLACK	SPS/PA, G.F 30%
G-CAP-9-O	GROMMET CAP OPTION 9 ALL OPEN	BLACK	SPS/PA, G.F 30%
C-HSG-G0	CONNECTOR HOUSING KEY G- WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-H0	CONNECTOR HOUSING KEY H- WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-J0	CONNECTOR HOUSING KEY J- WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-K0	CONNECTOR HOUSING KEY K - WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-L0	CONNECTOR HOUSING KEY L - WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-M0	CONNECTOR HOUSING KEY M- WDC OPT 0	BLACK	SPS/PA, G.F 30%
C-HSG-G9	CONNECTOR HOUSING KEY G- WDC OPT 9	BLACK	SPS/PA, G.F 30%
C-HSG-H9	CONNECTOR HOUSING KEY H- WDC OPT 9	BLACK	SPS/PA, G.F 30%
C-HSG-J9	CONNECTOR HOUSING KEY J- WDC OPT 9	BLACK	SPS/PA, G.F 30%
C-HSG-K9	CONNECTOR HOUSING KEY K- WDC OPT 9	BLACK	SPS/PA, G.F 30%
C-HSG-L9	CONNECTOR HOUSING KEY L- WDC OPT 9	BLACK	SPS/PA, G.F 30%
C-HSG-M9	CONNECTOR HOUSING KEY M- WDC OPT 9	BLACK	SPS/PA, G.F 30%
TPA-G0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	BLUE	SPS/PA, G.F 30%
TPA-H0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	STONE GRAY	SPS/PA, G.F 30%
TPA-J0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	BLACK	SPS/PA, G.F 30%
TPA-K0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	BROWN	SPS/PA, G.F 30%
TPA-L0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	GREEN	SPS/PA, G.F 30%
TPA-M0	TERMINAL POSITION ASSURANCE (TPA) OPTION 0	NATURAL	SPS/PA, G.F 30%
TPA-G9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	BLUE	SPS/PA, G.F 30%
TPA-H9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	STONE GRAY	SPS/PA, G.F 30%
TPA-J9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	BLACK	SPS/PA, G.F 30%
TPA-K9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	BROWN	SPS/PA, G.F 30%
TPA-L9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	GREEN	SPS/PA, G.F 30%
TPA-M9	TERMINAL POSITION ASSURANCE (TPA) OPTION 9	NATURAL	SPS/PA, G.F 30%
MAL	MATE ASSIST LEVER	BLACK	SPS/NYLON GF30
RS	SLIDE - RIGHT	BLACK	PBT W/PTFE, G.F. 30%
LS	SLIDE - LEFT	BLACK	PBT W/PTFE, G.F. 30%
CVR BLACK	DRESS COVER BLACK	BLACK	PBT, G.F. 30%
CVR GRAY	DRESS COVER GRAY	GRAY	PBT, G.F. 30%
CVR BLUE	DRESS COVER BLUE	BLUE	PBT, G.F. 30%
CVR BROWN	DRESS COVER BROWN	BROWN	PBT, G.F. 30%
CVR GREEN	DRESS COVER GREEN	GREEN	PBT, G.F. 30%
CVR NATURAL	DRESS COVER NATURAL	NATURAL	PBT, G.F. 30%
CVR YELLOW	DRESS COVER YELLOW	YELLOW	PBT, G.F. 30%
CPA	CONNECTOR POSITION ASSURANCE (CPA)	RED	PPE/PA 10% GF
MSEAL	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE RUBBER
RSEAL	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE RUBBER

FOR ADDITIONAL INFORMATION SEE SD-34566-001

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																				STATUS	COMMENTS	INTEGRAL
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																						
											CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																						COMPONENTS SOLD SEPARATELY DRESS COVER
MX123 CONN ASSY 80 CKT BLU OPT0 KEY G/40	345660014	C-HSG-G0	G-CAP-0-P	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	76	-	74	73	72	71	70	69	68	67	-	-	-	63	-	61	SALEABLE		345650003
											60	-	58	-	56	55	54	53	52	51	50	49	48	47	-	45	44	-	-	-			
											40	-	-	-	36	-	34	-	-	31	-	29	28	27	-	-	-	23	-	-			
											-	19	-	-	-	-	14	13	-	11	10	9	-	-	-	-	4	-	-	-			
MX123 CONN ASSY 80 CKT BLU OPT0 KEY G/0	345660024	C-HSG-G0	G-CAP-0-P	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	SALEABLE		345650003
											60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41			
											40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21			
											20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1			
MX123 CONN ASSY 80 CKT BLU OPT0 KEY G/39	345660034	C-HSG-G0	G-CAP-0-P	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	77	76	-	74	73	72	71	70	69	68	67	-	-	-	63	-	61	SALEABLE		345650003
											60	-	58	-	56	55	54	-	52	51	50	49	48	47	-	45	44	-	-	-			
											40	-	-	-	36	-	34	-	-	31	-	29	28	27	-	-	-	23	-	-			
											-	19	-	-	-	15	14	13	-	11	10	9	-	-	-	-	4	-	-	-			
MX123 CONN ASSY 80 CKT BLU OPT0 KEY G/39	345660054	C-HSG-G0	G-CAP-0-P	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	76	-	74	73	72	71	70	69	68	67	-	-	-	63	-	61	SALEABLE		345650003
											60	-	58	-	56	55	54	53	52	51	50	49	48	47	-	45	44	-	-	-			
											40	-	-	-	36	-	34	-	32	31	-	29	28	27	-	-	-	23	-	-			
											-	19	-	-	-	-	14	13	-	11	10	9	-	-	-	-	4	-	-	-			



MX123 SEALED RCPT ASSY (80 Ckt)

BOM & PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																				STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-7423	0	C	BLUE			70	69		67			64			61	60			57			54					
						52	51	50	49	48	47	46	45	44			41				37			34	33				
						73				32	16	15	14		13	12	11	10	9	8	7					18	17		
SALEABLE	NOT APPLICABLE	34566-7433	0	B	ST GRY	72				68						62	61	60	59				55						
						52				48	47	46		44	43		41	40		38	37	36	35						
						73					16	15	14										20	19	18	17			
SALEABLE	NOT APPLICABLE	34566-7443	0	A	BLACK	72	71	70	69	68		66	65	64	63			60			57	56		54					
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34					
						73					31	30	29	28		26	25		23	22	21	20							
SALEABLE	NOT APPLICABLE	34566-7453	0	C	BLUE		71	70			67	66	65	64			61	60		58	57		54						
						52	51	50	49	48	47		45	44			41			38	37			34	33				
						73				32	16	15	14		13	12	11	10	9	8	7				18	17			
SALEABLE	NOT APPLICABLE	34566-7463	0	B	ST GRY	72				68						62	61					55							
						52				48	47	46			43			40											
						73					16	15	14								22	21	20	19	18				
SALEABLE	NOT APPLICABLE	34566-7473	0	B	ST GRY	72				68	67				63	62	61					55							
						52				48	47	46			43			40											
						73						30			27					22	21	20	19	18					
SALEABLE	NOT APPLICABLE	34566-7483	0	B	ST GRY	72				68						62	61					55							
						52				48	47	46			43			40											
						73					16	15	14							22	21	20	19	18	17				
SALEABLE	NOT APPLICABLE	34566-7493	0	C	BLUE				69		67			64		62		60			57		55	54					
						52	51	50		48	47	46	45	44		42					37		35	34	33				
						73				32	16	15	14	13	12	11	10	9	8	7				19	18	17			
SALEABLE	NOT APPLICABLE	34566-7513	9	A	BLACK	72	71	70	69	68		66	65	64	63		61	60			57	56		54	53				
						52	51	50	49	48		46	45	44	43			40	39	38	37	36		34	33				
						73				32	31	30	29	28					23	22	21	20							
SALEABLE	NOT APPLICABLE	34566-7523	0	A	BLACK	72								64		62	61		59	58	57	56	55	54					
						52	51			48	47	46	45		43		41	40			37				33				
						73				32	16	15		13		11	10	9				20							
SALEABLE	NOT APPLICABLE	34566-7533	0	G	BLUE	80	79	78							71	70			67										
						60	59	58	57			54			51	50	49	48	47		45	44		42	41				
						40	39		37	36		34	33	32		30	29	28	27		25	24	23	22	21				
SALEABLE	NOT APPLICABLE	34566-7543 SAME AS P/N 34566-1553	0	A	BLACK	20	19	18					13	12	11		9	8			5		3	2	1				
						73																							
SALEABLE	NOT APPLICABLE	34566-7553 SAME AS P/N 34566-1983	0	B	ST GRY																								
						73																							
SALEABLE	NOT APPLICABLE	34566-7563 SAME AS P/N 34566-1993	0	C	BLUE																								
						73																							
SALEABLE	NOT APPLICABLE	34566-7573	0	B	ST GRY	72		70		68						62	61					55							
						52				48	47	46			43			40											
						73					16	15	14						8		6		4		2				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-7683	9	B	ST GRY	72	71	70	69	68	67	66	65	64	63	62	61	60	59		57	56	55						
						52	51	50	49	48	47	46	45	44	43		41	40	39	38	37	36	35	34	33				
						73				32	31	30	29	28		26	25	24	23	22	21	20	19	18	17				
SALEABLE	NOT APPLICABLE	34566-7693	9	A	BLACK									64		62	61				57	56	55	54					
						52	51					46	45		43			40			37		35	34					
						73				32		30	29		27		25					20							
SALEABLE	NOT APPLICABLE	34566-7713	9	A	BLACK	72								64		62	61			58	57	56	55	54					
						52	51			48		46	45		43		41	40			37		35	34					
						73				32		30	29		27		25					20							
SALEABLE	NOT APPLICABLE	34566-7723	9	A	BLACK	72								64		62	61				57	56	55	54	53				
						52	51					46	45		43			40			37								
						73				32		30	29		27		25					20							
SALEABLE	NOT APPLICABLE	34566-7733	9	A	BLACK									64		62	61				57	56	55	54	53				
						52	51			48		46	45		43		41	40			37								
						73				32		30	29		27		25					20							
SALEABLE	NOT APPLICABLE	34566-7743	0	C	BLUE	72		70		68	67	66			63	62			59		57				53				
						52	51		49	48	47	46		44			41	40	39		37	36	35	34	33				
						73				32		30			27	26	25	24		22	21	20							
SALEABLE	NOT APPLICABLE	34566-7753	0	A	BLACK		71	70	69	68	67			64	63	62	61	60	59	58	57	56	55	54	53				
						52	51	50	49				45	44	43	42	41		39	38	37	36		34					
						73				32	31		29	28	27	26	25						19	18					
SALEABLE	NOT APPLICABLE	34566-7763	0	F	NATURAL																								
						73																							
SALEABLE	NOT APPLICABLE	34566-7773	0	B	ST GRY	72		70			67				63	62	61	60	59										
						52						46			43		41	40											
						73									27					22	21	20	19	18					
SALEABLE	TBD	34822-0153	9	A	BLACK		63	62	61	60	59					54	53		51		49	66							
							47								38	37		35		33									
						65								28			25			22	21	20	19	18	17				
SALEABLE	NOT APPLICABLE	34566-7783	0	A	BLACK	72	71	70	69	68		66	65	64	63			60			57	56		54					
						52	51	50	49	48		46	45	44	43	42	41	40	39	38	37	36		34					
						73				32	31	30	29	28		26	25		23	22	21								
SALEABLE	NOT APPLICABLE	34566-7793	0	A	BLACK			70			67	66	65		63			60	59	58	57	56	55						
						52	51		49	48	47	46	45		43	42		40	39	38	37	36	35						
						73								28	27			23	22	21			18	17					
SALEABLE	NOT APPLICABLE	34566-7813	0	A	BLACK			70	69	68	67				63	62	61	60	59	58	57	56	55	54	53				
						52	51	50	49					44	43	42	41	40	39	38	37	36		34					
						73				32			29	28	27	26	25				21		19	18					
SALEABLE	NOT APPLICABLE	34566-7823	0	B	ST GRY	72				68	67				63	62	61	60	59										
						52				48	47	46		44	43		41	40		38	37	36	35						
						73						30			27						20	19	18						
SALEABLE	NOT APPLICABLE	34566-7833	0	B	ST GRY					16		14			11			8			4			1					
						73				32	31	30	29	28		26	25	24	23	22	21	20	19	18	17				
										16	15	14	13	12				8	7	6	5	4	3	2	1				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ _{Fp}	COLOR OPTION ▽ _{Fp}	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ _{Fp}																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-7843	9	C	BLUE		71				67		65	64		62	61	60		58	57			54					
						52	51	50	49	48	47		45	44		42	41			38	37			34	33				
						73				16	15	14	13	12	11	10	9								18				
SALEABLE	NOT APPLICABLE	34566-7853	9	C	BLUE	72	71	70	69		67	66		64										54					
						52	51	50	49		47	46		44					39	38									
						73				16	15	14	13	12	11	10	9	24	23	22	21				17				
SALEABLE	NOT APPLICABLE	34566-7863	9	C	BLUE	72		70		68	67	66			63	62			59		57				53				
						52	51			48	47	46		44				40	39		37	36	35	34	33				
						73				32		30			27	26	25	24		22	21								
SALEABLE	NOT APPLICABLE	34566-7873	9	A	BLACK		71		69				65	64			61	60		58		56	55	54					
								50					45		43	42				38			35						
						73					31		29	28					23				19	18	17				
SALEABLE	NOT APPLICABLE	34566-7883	9	A	BLACK									12	11								3	1					
						73				16																			
						72				68	67	66	65																
SALEABLE	NOT APPLICABLE	34566-7893	9	A	BLACK					48	47							40		38			35		33				
						73					31	30					25	24	23	22	21	20	19		17				
																9	8	7	6	5	4			2	1				
SALEABLE	NOT APPLICABLE	34566-7893	9	A	BLACK	72	71	70	69	68		66	65	64	63	42		61	60			57	56		54	53			
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34	33				
						73				32	31	30	29	28					23	22	21	20							
SALEABLE	TBD	34822-0163	0	A	BLACK	64	63									54	53		51		49	66							
																38	37		35		33								
						65					15	14	13					8	7			21	20	19	18	17			
SALEABLE	NOT APPLICABLE	34566-7913	9	G	BLUE	80	79	78			75				71	70			67						61				
						60	59	58	57			54			51	50	49	48	47		45	44		42	41				
						40	39		37	36		34	33	32		30	29	28	27		25	24	23	22	21				
SALEABLE	NOT APPLICABLE	34566-7923	0	C	BLUE	20	19	18					13	12	11		9	8			5		3	2	1				
							71	70			67			64			61	60			57			54					
						52	51	50	49	48	47		45	44		41				37			34	33					
SALEABLE	NOT APPLICABLE	34566-7923	0	C	BLUE	73				32			28	27		25						18	17						
										16	15	14	13	12	11	10	9	8	7										
						72	71	70	69	68		66	65	64	63		61	60			57	56		54	53				
SALEABLE	NOT APPLICABLE	34566-7933	0	A	BLACK	52	51	50	49	48		46	45	44	43			40	39	38	37	36		34	33				
						73				32	31	30	29	28					23	22	21	20							
											15	14	13	12					7	6	5	4		2					
SALEABLE	NOT APPLICABLE	34566-7943	0	B	ST GR	72										62	61	60	59				55						
						52				48	47	46			43		41	40		38	37	36	35						
						73					31	30								22	21	20	19	18	17				
SALEABLE	NOT APPLICABLE	34566-7953	0	B	ST GR					16	15	14											1						
						73					31	30									22	21	20	19	18	17			
										16	15	14								6		4		2					
SALEABLE	NOT APPLICABLE	34566-7963	9	A	BLACK	72	71	70	69	68		66	65	64	63		61	60			57	56		54	53				
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34	33				
						73				32	31	30	29	28		26	25		23	22	21	20							
SALEABLE	NOT APPLICABLE	34566-7973	9	B	ST GR											62	61	60	59				55						
						52		50	49	48	47	46	45		43		41	40		38	37	36	35	34					
						73						30	29							22	21	20	19	18	17				
SALEABLE	NOT APPLICABLE	34566-7983	9	B	ST GR					16	15	14											1						
						73						30	29								22	21	20	19	18	17			
										16	15	14								6		4							



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-7993	9	C	BLUE			70	69		67	66		64			61	60			57			54					
						52	51	50	49	48	47	46		45	44			41				37			34	33			
						73				32				28	27		25							18	17				
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34566-8013	9	C	BLUE		71				67		65	64			61	60	59		57			54					
						52	51	50		48	47		45	44			41		39		37			34	33				
						73				32				28	27		25		23					18					
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	TBD	34822-0173	9	A	BLACK	64						58	57	56	55	54		52		50		66							
						48		46	45	44	43	42	41	40				36		34									
						65				32	31	30	29		27	26		24	23										
										16					12	11	10	9			6	5	4						
SALEABLE	NOT APPLICABLE	34566-8023	9	C	BLUE	72			69	68					63	62			59			56	55		53				
												46			43	42		40	39			36	35						
						73					31	30	29			26		24	23	22	21	20	19						
																		8	7	6	5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34566-8033	9	B	ST GRY		71	70	69		67	66	65	64	63					58	57	56		54					
							51	50	49				45			42			39					34	33				
						73				32	31		29	28	27	26	25	24	23										
														13	12	11	10	9		7		5		3	2				
SALEABLE	NOT APPLICABLE	34566-8043	9	A	BLACK						67					62	61		59	58			55		53				
											47					42							35		33				
						73									27	26	25	24					20	19	18	17			
										16						11	10	9	8				4	3		1			
SALEABLE	NOT APPLICABLE	34566-8053	9	A	BLACK	72				68	67	66						59											
												46						40		38			35		33				
						73					31						25		23	22	21	20	19		17				
																	9	8	7	6	5	4		2	1				
SALEABLE	NOT APPLICABLE	34566-8063	9	C	BLUE		71		69				65	64			61	60			58		56	55	54				
								50				45		43	42				38				35						
						73					31		29	28					23				19	18	17				
										16					12	11				7				3		1			
SALEABLE	NOT APPLICABLE	34566-8073	9	B	ST GRY				69				65	64	63														
									49				45	44	43														
						73													23	22	21	20	19						
															12	11		9		7	6	5	4						
SALEABLE	NOT APPLICABLE	34566-8083	9	B	ST GRY										62			59	58				54	53					
															42			39											
						73									27														
																10	9												
SALEABLE	NOT APPLICABLE	34566-8093	9	A	BLACK		71		69	68		66	65	64		62	61							54	53				
								50	49				45	44			41							34	33				
						73				32	31	30	29			26	25	24	23			20	19						
										16	15	14	13			10		8		6		4	3						
SALEABLE	NOT APPLICABLE	34566-8113	9	C	BLUE					68					63	62	61	60	59	58	57		55		53				
										48					43	42	41	40			37	36	35		33				
						73				32					27			24				20	19	18					
															11	10		8			5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34566-8123	0	G	BLUE	80	79						73	72		70	69	68	67	66	65	64		62	61				
							59						53	52						46		44		42	41				
										36	35	34									25	24	23	22	21				
							19			16	15	14																	
SALEABLE	NOT APPLICABLE	34566-8133	0	G	BLUE	80	79	78	77		75			72	71	70	69	68		66									
						60	59	58	57	56	55		53		51	50	49	48	47	46	45	44							
						40	39		37	36	35	34		32	31	30	29	28		26		24	23	22	21				
							19	18	17						11							4	3		1				
SALEABLE	NOT APPLICABLE	34566-8143	0	G	BLUE	80	79	78	77	76	75	74	73	72		70	69	68	67	66	65	64	63	62	61				
						60	59	58	57	56	55	54	53	52	51	50		48	47	46	45	44	43	42	41				
						40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21				
						20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																					
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																					
		NUMBER																									
SALEABLE	NOT APPLICABLE	34566-8153	0	C	BLUE	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55				
						52	51	50							42	41								35	34	33	
						73					16		14	13											3	18	
SALEABLE	NOT APPLICABLE	34566-8163	9	B	ST GRY					68	67			64	63				59	58			55	54			
											47	46	45	44	43				39	38			35				
						73					32	31	30	29	28	27				23	22			19		17	
SALEABLE	NOT APPLICABLE	34566-8173	0	B	ST GRY			70		68	67				63	62	61	60	59								
						52							46			43		41	40								
						73									27					22	21	20	19	18			
SALEABLE	NOT APPLICABLE	34566-8183	9	H	ST GRY										71												
																	49										
SALEABLE	NOT APPLICABLE	34566-8193	0	G	BLUE		79	78	77	76	75	74			71				67		65		63				
						60	59	58	57	56	55	54		52					47		45		43				
						40		38	37					33	32	31	30	29		27	26						
SALEABLE	NOT APPLICABLE	34566-8213	0	H	ST GRY										11	10	9	8	7	6	5	4	3	2	1		
																			67		65	64	63	62	61		
								38						33					27		25				44	43	42
SALEABLE	NOT APPLICABLE	34566-8223	9	A	BLACK	20				16	15	14	13	12		10	9	8		6	5			2			
						72										62	61		59		57		55				
						52	51												40			37					
SALEABLE	NOT APPLICABLE	34566-8233	9	G	BLUE	73					32			29			25				20						
							16	15	14		12	11	10	9													
SALEABLE	NOT APPLICABLE	34566-8243	9	G	BLUE				77	76	75	74	73	72		70	69	68		66	65	64	63	62	61		
										56	55		53	52						46	45		43	42			
								38		36	35	34			31					26			23	22	21		
SALEABLE	NOT APPLICABLE	34566-8253	9	G	BLUE	20	19		17	16	15	14	13			10			7	6		4		1			
									77	76	75	74	73	72		70	69	68		66	65	64	63	62	61		
										56	55		53	52						46	45		43	42			
SALEABLE	NOT APPLICABLE	34566-8263	9	G	BLUE				77	76	75	74	73	72		70	69	68		66	65	64	63	62	61		
										56	55		53	52						46	45		43	42			
								38	37	36	35	34			31					26			23	22	21		
SALEABLE	NOT APPLICABLE	34566-8273	9	G	BLUE				77	76	75	74	73	72		70	69	68		66	65	64	63	62	61		
										56	55		53	52						46	45		43	42			
								38		36	35	34			31					26			23	22	21		
SALEABLE	NOT APPLICABLE	34566-8283	9	G	BLUE				77	76	75	74	73	72		70	69	68		66	65	64	63	62	61		
										56	55		53	52						46	45		43	42			
								38		36	35	34			31					26			23	22	21		
SALEABLE	NOT APPLICABLE	34566-8293	9	A	BLACK		71	70	69	68	67	66	65		63			60	59	58							
								50	49	48	47			44		42			39	38		36	35	34	33		
						73					31			28		26		24	23	22	21		19	18	17		
SALEABLE	NOT APPLICABLE	34566-8313	9	A	BLACK		71	70	69		67	66	65		63			60	59	58							
								50	49	48	47			44		42	41		39	38		36	35	34	33		
						73					31			28		26		24	23	22	21		19	18	17		



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-8323	9	A	BLACK		71	70	69	68	67	66	65		63			60							53				
								50	49		47			44		42			39	38		36				33			
						73					31			28		26		24	23	22	21		19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8333	9	A	BLACK		71	70	69	68	67	66	65		63			60			58				53				
								50	49	48	47			44		42	41		39	38		36			33				
						73					31			28		26		24	23	22	21		19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8343	9	A	BLACK		71	70	69	68	67	66	65		63			60	59										
								50	49		47			44		42			39	38		36	35	34	33				
						73					31			28		26		24	23	22	21		19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8353	9	A	BLACK	72								64		62	61				57	56	55	54	53				
						52	51					46	45		43		41	40			37								
						73					32		30	29		27		25				20							
SALEABLE	NOT APPLICABLE	34566-8363	9	A	BLACK		71	70	69	68	67	66	65		63			60			58				53				
								50	49		47			44		42			39	38		36	35	34	33				
						73					31			28		26		24	23	22	21		19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8373	9	A	BLACK	72								64		62	61				57	56	55	54	53				
						52	51					46	45		43			40			37								
						73					32		30	29		27		25				20							
SALEABLE	NOT APPLICABLE	34566-8383	9	A	BLACK		71	70	69	68	67	66	65		63			60			58				53				
								50	49		47			44		42			39	38		36	35	34	33				
						73					31			28		26		24	23	22	21		19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8393	0	A	BLACK	72			70						63	62						56	55	54	53				
						52	51		49	48					43							36	35	34	33				
						73					31	30	29	28	27			24	23	22	21	20	19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8413	0	A	BLACK		71	70							63	62						56	55	54	53				
						52	51		49	48					43							36	35	34	33				
						73					31	30	29	28	27			24	23	22	21	20	19	18	17	1			
SALEABLE	NOT APPLICABLE	34566-8423	0	C	BLUE				69		67			64		62	61	60			57			54					
						52	51	50	49	48		46	45	44		42	41			37			34	33					
						73								28	27	26	25												
SALEABLE	NOT APPLICABLE	34566-8433	0	H	ST GR Y		79	78	77	76	75	74	73				69								61				
						20												9				5				1			
SALEABLE	NOT APPLICABLE	34566-8443	0	C	BLUE		71	70			67	66	65	64			61	60	59	58	57			54					
						52	51	50		48	47		45	44			41		39	38	37			34	33				
						73					32			28	27		25		23				18	17					
SALEABLE	NOT APPLICABLE	34566-8453	0	A	BLACK	72	71	70	69	68		66	65	64	63			60			57	56		54					
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34					
						73					32	31	30	29	28					23	22	21	20						
SALEABLE	NOT APPLICABLE	34566-8463	0	B	ST GR Y			70		68						62	61	60	59				55						
						52				48	47	46		44	43		41	40		38	37	36	35						
						73						30							22	21	20	19	18						
SALEABLE	NOT APPLICABLE	34566-8473	0	C	BLUE		71	70			67	66	65	64			62	61	60		58	57		55	54				
						52	51	50	49	48	47		45	44		42	41			38	37		35	34	33				
						73					32			28	27	26	25						19	18	17				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																				
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																				
		NUMBER																								
SALEABLE	NOT APPLICABLE	34566-8483	0	A	BLACK	72	71	70	69	68		66	65	64	63		61	60			57	56		54	53	
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34	33	
						73				32	31	30	29	28					23	22	21	20				
					15	14	13	12						7	6	5	4				2					
SALEABLE	NOT APPLICABLE	34566-8493	0	B	ST GRY	72		70		68	67					62	61	60	59				55			
						52				48	47	46		44	43			40								33
						73						30								22	21	20	19	18	17	
				16	15	14								8		6		4								
SALEABLE	NOT APPLICABLE	34566-8513	9	A	BLACK	72	71	70	69	68		66	65	64	63		61	60			57	56		54	53	
						52	51	50	49	48		46	45	44	43			40	39	38	37	36		34	33	
						73				32	31	30	29	28				24	23	22						
					15	14	13	12						7	6	5				2						
SALEABLE	NOT APPLICABLE	34566-8523	9	B	ST GRY	72		70		68						62	61						55			
						52				48	47	46			43			40								
						73						30								22	21	20	19	18	17	
				16	15	14								8		6		4			2					
SALEABLE	NOT APPLICABLE	34566-8533	9	C	BLUE			70			67	66	65	64			61	60			57			54		
						52	51	50	49	48	47		45	44			41				37			34	33	
						73				32				28	27		25							18	17	
				16	15	14	13	12	11	10																
SALEABLE	NOT APPLICABLE	34566-8543	9	C	BLUE		71		69		67	66	65	64				60			57			54		
						52	51	50	49	48	47	46	45	44						37			34	33		
						73				32				28	27											
				16	15	14	13	12	11	10	9	8	7													
SALEABLE	NOT APPLICABLE	34566-8553	0	B	ST GRY	72				68						62	61	60	59				55			
						52						46			43		41	40								
						73														22	21	20				
				16	15	14								8		6		4								
SALEABLE	NOT APPLICABLE	34566-8563	0	A	BLACK	72		70			67				63			60	59	58	57	56	55			
						52	51			48	47	46			43	42		40	39	38	37	36	35			
						73								28						22	21			18	17	
								12	11		9			7							2	1				
SALEABLE	NOT APPLICABLE	34566-8573	0	B	ST GRY	72	71	70	69	68	67	66	65	64	63		61	60	59		57	56	55			
						52	51	50	49	48	47	46	45	44	43		41	40	39	38	37	36	35		33	
						73				32	31	30	29	28		26		24	23	22	21	20	19			
				16	15	14	13	12			9	8	7	6	5	4	3									
SALEABLE	NOT APPLICABLE	34566-8583	0	C	BLUE	72	71	70	69		67	66	65	64				60				56		54		
						52	51	50	49		47	46	45	44				40	39	38				34		
						73					31	30		28		26	25	24	23	22	21				17	
				16	15	14	13	12			9	8	7	6	5											
SALEABLE	NOT APPLICABLE	34566-8593	0	B	ST GRY	72				68						62	61	60	59				55			
						52				48	47	46			43		41	40		38	37	36	35			
						73						30							22	21	20	19	18			
				16	15	14								8		6		4			1					
SALEABLE	TBD	34822-0183	0	A	BLACK	64	63	62	61	60	59					54	53		51		49	66				
																38	37		35		33					
						65												24	23	22	21	20	19	18	17	
					15	14	13						8	7			4	3	2	1						
SALEABLE	TBD	34822-0193	0	A	BLACK	64	63								54	53		51		49	66					
															38	37		35		33						
						65								28				24	23		21	20	19	18	17	
					15	14	13						8	7			4		2	1						
SALEABLE	TBD	34822-0203	0	A	BLACK	64	63	62	61	60	59					54	53		51		49	66				
																38	37		35		33					
						65					31			28				24	23	22	21	20	19	18	17	
					15	14	13						8	7			4		2	1						
SALEABLE	TBD	34822-0213	0	A	BLACK	64	63	62	61	60	59					54	53		51		49	66				
																38	37		35		33					
						65					31							24	23	22	21	20	19	18	17	
					15	14	13						8	7			4	3	2	1						



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-8613	0	C	BLUE		71	70			67	66	65	64			61	60	59	58	57			54					
						52	51	50		48	47			45	44			41		39	38	37			34	33			
						73				32				28	27		25		23					18	17				
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34566-8623	9	C	BLUE					68			65		63	62	61		59	58	57	56	55		53				
										48			45		43	42	41				37	36	35	34	33				
						73				32	31											20	19	18					
																						4	3	2	1				
SALEABLE	NOT APPLICABLE	34566-8633	0	B	ST GRY	72										62	61												
						52				48	47	46			43			40											
						73						30									22	21	20	19	18	17			
										16	15	14									6		4						
SALEABLE	NOT APPLICABLE	34566-8643	0	C	BLUE		71	70			67	66		64			61	60			57			54					
						52	51	50	49	48			45	44			41			37			34	33					
						73				32				28	27		25						18	17					
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34566-8653	9	C	BLUE		71		69		67	66	65	64	63		61	60			57								
						52	51	50		48	47	46	45		43		41			37			34	33					
						73								28	27		25												
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34566-8663	0	B	ST GRY	72	71	70	69					64	63		61	60			58	57	56	55					
						52	51	50	49						43					38	37	36			33				
						73				32		30	29	28		26	25	24	23	22	21	20							
										16	15	14	13	12	11	10	9	8	7	6	5	4							
SALEABLE	NOT APPLICABLE	34822-0223	0	A	BLACK	64	63	62	61	60	59					54	53		51		49	66							
															38	37		35		33									
						65					31			28				24	23	22	21	20	19	18	17				
											15	14	13					8	7				4	3	2	1			
SALEABLE	NOT APPLICABLE	34566-8673	0	F	NATURAL	72		70		68	67	66			63	62			59		57				53				
						52	51		49	48	47	46		44			41	40	39		37	36	35	34	33				
						73				32		30			27	26	25	24		22	21	20							
											15	14	13			10	9	8		6	5	4		2					
SALEABLE	NOT APPLICABLE	34566-8683	0	B	ST GRY	72		70		68	67	66			63	62			59		57				53				
						52	51		49	48	47	46		44			41	40	39		37	36	35	34	33				
						73				32		30			27	26	25	24		22	21	20							
											15	14	13			10	9	8		6	5	4		2					
SALEABLE	NOT APPLICABLE	34566-8693	0	A	BLACK	72		70		68	67	66			63	62			59		57				53				
						52	51		49	48	47	46		44			41	40	39		37	36	35	34	33				
						73				32		30			27	26	25	24		22	21	20							
											15	14	13			10	9	8		6	5	4		2					
SALEABLE	NOT APPLICABLE	34566-8713	9	B	ST GRY	72	71	70	69					64	63			61	60		58	57	56	55					
						52	51	50	49					43						38	37	36			33				
						73				32		30	29	28		26	25	24	23	22	21	20							
										16	15	14	13	12	11	10	9	8	7	6	5	4							
SALEABLE	NOT APPLICABLE	34566-8723	0	C	BLUE		71	70				66		64			61	60			57			54					
						52	51	50	49	48			45	44			41			37				34	33				
						73				32				28	27		25							18	17				
										16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34566-8733	0	A	BLACK	72	71	70	69	68		66	65	64	63			60			57	56		54					
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34					
						73				32	31	30	29	28					23	22	21	20							
											15	14	13	12					7	6	5	4	3	2					
SALEABLE	NOT APPLICABLE	34566-8743	0	C	BLUE	72	71	70	69		67	66		64					39	38									
						52	51	50	49		47	46		44					39	38									
						73						30	29	28	27	26	25	24	23	22	21				17				
										16	15	14	13	12	11	10	9	8	7	6	5								
SALEABLE	NOT APPLICABLE	34566-8753	0	B	ST GRY	72	71	70	69	68	67	66	65	64	63		61	60		58	57	56	55	54	53				
						52	51	50	49	48	47	46	45	44	43			40			37	36	35	34	33				
						73				32		30	29	28		26	25	24			21		19						
										16		14	13	12	11	10	9	8		6	5			2	1				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																						
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp																						
		NUMBER																										
SALEABLE	NOT APPLICABLE	34566-8763	0	A	BLACK	72	71	70			67	66						59	58	57	56	55	54	53				
						52	51	50			47	46					39		37	36	35		33					
						73				32	31	30	29	28	27	26			21			18	17					
SALEABLE	12672857	34822-0243	9	A	BLACK	64	63	62	61	60	59					54	53		51		49	66						
							47								38	37		35		33								
						65								28			25	24		22	21	20	19	18	17			
SALEABLE	NOT APPLICABLE	34822-0253	0	A	BLACK		63	62	61	60	59					54	53		51		49	66						
															38	37		35		33								
						65					31			28				24	23	22	21	20	19	18	17			
SALEABLE	NOT APPLICABLE	34822-0263	9	C	BLUE	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66						
						48	47	46	45			42		39		37	36	35	34	33								
						65				32		30	29	28	27	26	25	24	23	22	21		19	18	17			
SALEABLE	NOT APPLICABLE	34822-0273	9	A	BLACK	64	63									54	53		51		49	66						
							47									38	37		35		33							
						65								28						22		20	19	18	17			
SALEABLE	NOT APPLICABLE	34822-0283	0	A	BLACK				61	60	59	58		56	55				51		49	66						
												42																
						65				32															17			
SALEABLE	NOT APPLICABLE	34822-0293	0	A	BLACK	64	63									54	53		51		49	66						
							47									38	37		35		33							
						65								28					8	7		22		20	19	18	17	
SALEABLE	NOT APPLICABLE	34566-8773	9	B	ST GR Y	72		70		68						62	61	60	59				55					
						52				48	47	46			43			40										
						73						30								22	21	20	19	18	17			
SALEABLE	NOT APPLICABLE	34566-8783	9	A	BLACK	72	71	70	69	68		66	65	64	63		61	60		57	56		54	53				
						52	51	50	49	48		46	45	44	43			40	39	38	37	36		34	33			
						73				32	31	30	29	28					23	22	21							
SALEABLE	NOT APPLICABLE	34566-8793	9	C	BLUE		71	70			67	66	65				61	60		57			54					
						52	51	50	49	48	47		45	44			41			37			34	33				
						73				32				28	27		25						18	17				
SALEABLE	NOT APPLICABLE	34566-8813	9	B	ST GR Y	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53			
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33			
						73				32	31	30	29	28	27	26	25	24	23	22	21							
SALEABLE	NOT APPLICABLE	34566-8823	9	C	BLUE	72	71	70	69		67	66		64				60					54					
						52	51	50	49		47	46		44				40	39									
						73						30	29	28	27	26	25	24	23	22	21				17			
SALEABLE	NOT APPLICABLE	34566-8833	9	C	BLUE	72		70		68	67	66			63	62			59		57			54	53			
						52	51		49	48	47	46		44			41	40	39		37	36	35	34	33			
						73				32		30			27	26	25	24		22	21	20			17			
SALEABLE	NOT APPLICABLE	34566-8843	0	C	BLUE	72	71	70	69		67	66		64									54					
						52	51	50	49		47	46		44			41		39	38								
						73						30	29	28	27	26	25	24	23	22	21				17			
SALEABLE	NOT APPLICABLE	34566-8853	0	B	ST GR Y	72				68	67				63	62	61	60	59				55					
						52				48	47	46		44	43		41	40		38	37	36	35					
						73						30			27					22	21	20	19	18				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																				
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ _{Fp}	COLOR OPTION ▽ _{Fp}	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ _{Fp}																				
		NUMBER																								
SALEABLE	NOT APPLICABLE	34566-8863	0	B	ST GR Y	72	71	70	69					64	63		61			58	57	56	55			
						52	51	50	49						43					38	37	36			33	
						73					32		30	29	28		26	25	24	23	22	21	20			
SALEABLE	NOT APPLICABLE	34566-8873	0	B	ST GR Y					16		14	13	12	11	10	9	8	7	6	5	4				
						73				32	31	30	29	28		26	25	24	23	22	21	20				
							16	15	14	13	12	11	10	9	8	7	6	5	4							
SALEABLE	NOT APPLICABLE	34566-8883	0	B	ST GR Y	72	71	70	69	68	67	66	65	64	63		61	60	59	58	57	56	55			
						52	51	50	49	48	47	46	45	44	43		41	40	39	38	37	36	35	34	33	
						73				32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	
SALEABLE	NOT APPLICABLE	34566-8893	0	A	BLACK			70			67	66	65		63			60	59	58	57	56	55			
						52	51		49	48	47	46	45		43	42		40	39	38	37	36	35			
						73								28	27			23	22	21			18	17		
SALEABLE	NOT APPLICABLE	34566-8913	0	A	BLACK											9			7					2	1	
						73								12	11											
						72	71	70	69	68		66	65	64	63			60			57	56		54		
SALEABLE	NOT APPLICABLE	34566-8923	0	A	BLACK	52	51	50	49	48		46	45	44	43	42	41	40	39	38	37	36		34	53	
						73				32			29	28	27	26	25			21			18			
							16	15	14	13	12	11	10	9	8			5		3						
SALEABLE	NOT APPLICABLE	34566-8933	0	C	BLUE	72	71		69	68		66	65		63				59	58		56			53	
														43				39	38		36					
						73					31	30	29					24	23	22	21	20			1	
SALEABLE	NOT APPLICABLE	34566-8943	0	B	ST GR Y	72				68						62	61						55			
						52						46			43			40								
						73													22	21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34566-8953	9	C	BLUE												8		6		4	3	2			
						73				16	15	14														
						72	71	70	69		67	66		64			60			57			54			
SALEABLE	NOT APPLICABLE	34566-8963	0	B	ST GR Y	52	51	50	49		47	46		44				40	39	38						
						73						30	29	28	27	26	25	24	23	22	21				17	
							16	15	14	13	12	11	10	9	8	7	6	5								
SALEABLE	NOT APPLICABLE	34566-8963	0	B	ST GR Y	72										62	61	60	59				55			
						52				48	47	46			43		41	40		38	37	36	35			
						73						30							22	21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34566-8973	0	A	BLACK													6								
						73						15	14	13	12					7	6	5			2	
						72	71	70	69	68		66	65	64	63			60			57	56		54		
SALEABLE	NOT APPLICABLE	34566-8983	0	C	BLUE	52	51	50	49	48	47		45	44			41			37				34	33	
						73				32				28	27		25							18	17	
							16	15	14	13	12	11	10	9	8	7										
SALEABLE	NOT APPLICABLE	34822-0303	0	A	BLACK																					
						65																				
SALEABLE	NOT APPLICABLE	34822-0313	0	A	BLACK		63	62	61	60	59					54	53				49	66				
																38	37		35		33					
						65					31			28				24	23	22	21	20	19	18	17	
SALEABLE	NOT APPLICABLE	34566-8993	0	B	ST GR Y							66				62			58							
						73																	19	18	17	
																					5					1



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																					
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																					
		NUMBER																									
SALEABLE	NOT APPLICABLE	34566-9013	0	A	BLACK				69	68			65	64	63	62	61	60									
									49	48					45	44	43	42	41	40		38				34	
						73												25	24	23	22		20	19			
SALEABLE	NOT APPLICABLE	34566-9023	0	B	ST GR											62			59								
															42	41		39	38								
						73						31				27				23	22		20		18	17	
SALEABLE	NOT APPLICABLE	34822-0323	9	A	BLACK			62	61	60	59	58	57	56	55			52		50		66					
						48	47	46	45	44	43	42	41	40	39			36		34							
						65					32	31	30	29		27	26	25		23		21					
SALEABLE	NOT APPLICABLE	34566-9033	0	C	BLUE	72		70			67				63			60	59	58	57	56	55				
						52	51	50	49		47	46	45	44					39	38					34		
						73						31	30	29	28		26	25	24	23	22	21				17	
SALEABLE	NOT APPLICABLE	34566-9043	0	C	BLUE						67	66	65	64										54			
						52	51	50	49		47	46	45	44					39	38							
						73							30	29	28		26	25	24	23	22	21				17	
SALEABLE	NOT APPLICABLE	34566-9053	0	C	BLUE						67	66	65	64						39	38				54		
						52	51	50	49	48		46	45	44	43	42		40	39		38	37	36		34	33	
						73						31	30	29	28					23	22	21	20			2	
SALEABLE	NOT APPLICABLE	34566-9063	0	B	ST GR					68						62	61	60	59				55				
						52						46		44	43		41	40									
						73						16	15	14					8		6		4				
SALEABLE	NOT APPLICABLE	34566-9073	0	B	ST GR					68	67	66	65	64	63		61	60	59		57	56	55				
						52	51	50	49	48	47	46	45	44	43		41	40	39	38	37	36	35	34	33		
						73					32	31	30	29	28		26		24	23	22	21	20	19	18	17	
SALEABLE	NOT APPLICABLE	34566-9083	0	A	BLACK				70					63			60	59	58	57	56	55					
						52	51			48	47	46			43	42		40	39	38	37	36	35				
						73									28	27				22	21			18	17		
SALEABLE	NOT APPLICABLE	34566-9093	0	A	BLACK				70		67				63			60	59	58	57	56	55				
						52	51			48	47	46			43	42		40	39	38	37	36	35				
						73									28	27				22	21			18	17		
SALEABLE	NOT APPLICABLE	34566-9113	0	A	BLACK					68		66	65	64			61	60			57	56		54			
						52	51	50	49	48		46	45	44	43	42		40	39	38	37	36		34	33		
						73						31	30	29	28					23	22	21	20				
SALEABLE	NOT APPLICABLE	34566-9123	0	G	BLUE				78	77	76	75	74		72		70					64	63				
						60			58	57	56	55	54		52	51	50	49		47		45					
						40	39	38	37					33	32	31				27	26						
SALEABLE	NOT APPLICABLE	34822-0333	0	A	BLACK								58	57	56	55			52		50		66				
						48		46	45	44	43	42	41	40	39			36		34							
						65					32	31	30	29		27	26			23							
SALEABLE	NOT APPLICABLE	34822-0343	0	A	BLACK					61			58											66			
											44	43		41	40		38										
						65						31															
SALEABLE	NOT APPLICABLE	34822-0353	0	A	BLACK	64							58	57	56	55			52		50		66				
						48	47	46	45	44		43	42	41	40	39				36		34					
						65					32		30	29		27	26										



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																						
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																						
		NUMBER																										
SALEABLE	NOT APPLICABLE	34566-9143	9	F	NATURAL	72	71	70			67	66	65	64	63	62	61	60	59			56	55	54	53			
						52	51	50	49	48	47	46	45	44			41	40	39			36	35	34				
						73				32	31		29	28	27	26	25	24	23	22	21	20						
										16	15	14	13	12	11	10	9	8	7	6	5	4						
SALEABLE	NOT APPLICABLE	34566-9153	9	B	ST GRY							66				62				58								
															41			38	37									
						73															20	19	18	17				
																	8		5					1				
SALEABLE	NOT APPLICABLE	34566-9163	9	B	ST GRY					68	67	66	65			62		60	59				54	53				
										48	47	46	45	44		42	41	40	39				35	34				
						73					31				27								19	18	17			
											15												3	2	1			
SALEABLE	NOT APPLICABLE	34566-9173	0	B	ST GRY								65			62				58								
														41			38	37										
						73																	19	18	17			
																				5				1				
SALEABLE	NOT APPLICABLE	34822-0363	9	C	BLUE				61			58									66							
										44	43		41	40		38						20						
						65					31											4						
																				5								
SALEABLE	NOT APPLICABLE	34822-0373	9	A	BLACK	64	63	62	61	60					55			52	51		49	66						
						48	47	46	45						38													
						65				32		30	29		27				22	21	20	19	18	17				
														12	11	10				5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34822-0383	9	A	BLACK	64	63	62	61	60			57				52	51		49	66							
						48	47	46	45				40															
						65				32		30	29		27			22	21	20	19	18	17					
														12	11	10				5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34822-0393	0	A	BLACK	64	63	62	61	60			57				52	51		49	66							
						48	47	46	45					38														
						65				32		30	29		27			22	21	20	19	18	17					
														12	11	10				5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34822-0403	9	A	BLACK	64	63								54	53		51		49	66							
														38	37		35		33									
						65					31			28					22		20	19	18	17				
											15	14	13	12	11			8	7			4	3	2	1			
SALEABLE	NOT APPLICABLE	34822-0413	0	A	BLACK	64	63								54	53		51		49	66							
														38	37		35		33									
						65								28				22		20	19	18	17					
											15	14	13	12				8	7			4	3	2	1			
SALEABLE	NOT APPLICABLE	34822-0423	9	A	BLACK						59	58	57	56		54	53			50	66							
										44	43	42	41	40	39		37	36	35	34	33							
						65					31			28		26	25	24	23									
										16	15	14	13				9	8	7	6								
SALEABLE	NOT APPLICABLE	34566-9183	9	B	ST GRY	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53			
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33			
						73				32	31	30	29	28	27	26	25	24	23	22	21		19					
										16	15	14	13	12	11	10	9		7	6		4	3	2				
SALEABLE	NOT APPLICABLE	34566-9193	9	F	NATURAL				69	68									58	57								
														43	42				38	37				33				
						73						30										19	18	17				
																		8					3	2	1			
SALEABLE	NOT APPLICABLE	34822-0433	0	A	BLACK	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66						
						48	47	46	45				42			39		37	36	35	34	33						
						65				32		30	29	28	27	26	25	24	23	22	21	20	19	18	17			
										16	15	14	13	12	11	10	9	8	7	6			3	2	1			
SALEABLE	NOT APPLICABLE	34822-0443	0	A	BLACK	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66						
						48	47	46	45				42			39		37	36	35	34	33						
						65				32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17			
										16	15	14	13	12	11	10	9	8	7	6			3	2	1			



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																					
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																					
		NUMBER																									
SALEABLE	NOT APPLICABLE	34822-0453	0	A	BLACK						59	58	57	56		54	53			50		66					
										44	43	42	41	40	39		37	36	35	34	33						
						65					31			28		26	25	24	23								
SALEABLE	NOT APPLICABLE	34566-9213	0	B	ST GRY					68	67	66	65	64						59	58	57		55	54	53	
							51	50	49	48		46	45		43	42	41	40	39	38	37		35			33	
						73				32	31	30				26		24	23	22		20					
SALEABLE	NOT APPLICABLE	34566-9223	9	B	ST GRY	72																					
						52				48	47	46						62	61	60	59					55	
						73						30									22	21	20	19	18		
SALEABLE	NOT APPLICABLE	34566-9233	9	C	BLUE		71				67		65	64			61	60	59		57			54			
						52	51	50		48	47		45	44		41		39		37			34	33			
						73				32				28	27		25		23				18				
SALEABLE	NOT APPLICABLE	34566-9243	9	B	ST GRY	72	71	70	69					64	63		61			58	57	56	55				
						52	51	50	49					43						38	37	36			33		
						73				32		30	29	28		26	25	24	23	22	21	20					
SALEABLE	NOT APPLICABLE	34566-9253	9	B	ST GRY	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53		
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33		
						73				32	31	30	29	28	27	26	25	24	23	22	21						
SALEABLE	NOT APPLICABLE	34566-9263	9	B	ST GRY	72				68						62	61	60	59				55				
						52						46			43		41	40									
						73						14							8		6		4				
SALEABLE	NOT APPLICABLE	34822-0463	0	A	BLACK	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66					
						48	47	46	45			43	42		39		37	36	35	34	33						
						65				32		30	29	28	27	26	25	24	23	22	21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34822-0473	9	C	BLUE	64	63	62		60	59		57	56	55	54	53		51		49	66					
						48	47	46	45			42			39		37		35		33						
						65				32											21		19	18	17		
SALEABLE	NOT APPLICABLE	34822-0483	9	A	BLACK	64	63								54	53		51		49	66						
															38	37		35		33							
						65					15	14	13					24	23		21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34566-9273	9	B	ST GRY	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53		
								50	49	48	47	46		44	43	42		40	39			36	35	34	33		
						73				32	31	30	29	28	27	26	25	24	23	22	21						
SALEABLE	NOT APPLICABLE	34822-0493	0	C	BLUE	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66					
						48	47	46	45			42			39		37	36	35	34	33						
						65				32		30	29	28	27	26	25	24	23	22	21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34566-9283	9	G	BLUE	80	79	78							71				67								
						60	59	58	57			54			51	50	49	48	47			44			41		
						40	39		37				33	32		30	29	28	27		25	24					
SALEABLE	NOT APPLICABLE	34566-9293	9	G	BLUE				18					12	11		9	8			5		3	2			
						80	79	78						71				67									
						60	59	58	57			54			51	50	49	48	47			44			41		
SALEABLE	NOT APPLICABLE	34566-9313	9	A	BLACK	72								64		62	61		58	57	56	55	54	53			
						52	51			48		46	45		43		41	40		37							
						73				32		30	29		27		25				20						



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																						
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ _{Fp}	COLOR OPTION ▽ _{Fp}	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ _{Fp}																						
		NUMBER																										
SALEABLE	NOT APPLICABLE	34566-9323	9	A	BLACK	72								64		62	61		59	58	57	56	55	54	53			
						52	51			48		46	45		43		41	40			37		35	34				
						73				32		30	29		27		25					20						
						73				16	15		13		11	10	9					4	3					
SALEABLE	NOT APPLICABLE	34566-9333	9	A	BLACK	72								64		62	61		59	58	57	56	55	54				
						52	51			48		46	45		43		41	40			37		35	34				
						73				32		30	29		27		25					20						
						73				16	15		13		11	10	9					4						
SALEABLE	NOT APPLICABLE	34566-9343	9	C	BLUE	72		70	69	68			66			63	62			58			56	55		53		
									49			46			43	42		40		38		36	35					
						73					31	30	29			26		24		22	21	20	19		17			
						73																	4	3	2	1		
SALEABLE	NOT APPLICABLE	34822-0503	0	A	BLACK	64		62	61	60	59	58				54	53		51			66						
						48	47								38	37	36		34							17		
						65						30	29	28		26		24		21								
						65					15		13				9		7				4	3	2	1		
SALEABLE	NOT APPLICABLE	34822-0513	9	A	BLACK		63	62	61		59					54	53				49	66						
															38	37		35		33								
						65					31			28				24		22	21	20	19	18	17			
						65					15	14	13	12				8	7				4	3	2	1		
SALEABLE	NOT APPLICABLE	34566-9353	9	A	BLACK	72									62	61			58	57	56	55	54	53				
						52	51			48		46	45		43		41	40			37		35	34				
						73				32		30	29		27		25					20						
						73				16	15		13		11	10	9					4						
SALEABLE	NOT APPLICABLE	34566-9363	9	A	BLACK	72								64		62	61				57	56	55	54	53			
						52	51					46	45		43			40			37		35	34				
						73				32		30	29		27		25					20						
						73				16	15		13		11	10	9					4						
SALEABLE	NOT APPLICABLE	34566-9373	9	G	BLUE	80									71					66		64						
							59		57								49											
							39									30												
						20																						
SALEABLE	NOT APPLICABLE	34566-9383	9	A	BLACK	72	71	70	69	68				64	63	62	61		59	58	57	56	55	54	53			
						52	51	50		48	47	46	45	44	43		41	40	39	38	37		35	34	33			
						73				32		30	29		27	26	25	24				20	19	18	17			
						73				16	15	14	13	12	11	10	9	8	7			4	3	2	1			
SALEABLE	NOT APPLICABLE	34566-9393	0	B	ST GR Y	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53			
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33			
						73				32	31	30	29	28	27	26	25	24	23	22	21	20						
						73				16	15	14	13	12	11	10	9	8	7	6		4	3	2				
SALEABLE	NOT APPLICABLE	34566-9413	9	H	ST GR Y																							
SALEABLE	NOT APPLICABLE	34566-9423	0	A	BLACK	72	71	70			67	66								58	57	56	55	54	53			
						52	51	50			47	46							39		37	36	35		33			
						73				32	31	30	29	28	27	26								18	17			
						73				16	15	14	13	12	11	10		8	7				3	2	1			
SALEABLE	NOT APPLICABLE	34566-9433	0	B	ST GR Y	72	71	70	69	68	67	66	65	64	63		61			58	57	56	55	54	53			
						52	51	50	49	48	47	46	45	44				40	39			37	36	35	34	33		
						73						30	29	28	27	26	25	24			21							
						73				16		14	13	12		10	9	8		6	5			2	1			
SALEABLE	NOT APPLICABLE	34566-9443	9	B	ST GR Y	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53			
								50	49	48	47	46		44	43	42		40	39			36	35	34	33			
						73				32	31	30	29	28	27	26	25	24	23	22	21							
						73				16	15	14	13	12	11	10	9		7	6		4	3	2				
SALEABLE	NOT APPLICABLE	34566-9453	0	A	BLACK	72	71	70	69		67			64			61	60	59		57	56	55	54	53			
						52	51			48			45	44			41	40	39	38	37	36	35	34				
						73					31	30	29		27	26	25			22			19	18				
						73				16	15	14	13	12	11	10	9	8	7	6	5			2				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-9463	0	G	BLUE	80	79	78			75								66	65	64								
							59												46				43	42	41				
							39	38	37		35					30				26	25	24		22	21				
						20			18	17	16				12			8	7	6	5		3	2	1				
SALEABLE	NOT APPLICABLE	34566-9473	0	G	BLUE	80	79	78			75								66	65	64			62					
							59						53						46				43	42	41				
							39	38	37		35					30				26	25	24		22	21				
						20			18	17	16				12			8	7	6	5		3	2	1				
SALEABLE	NOT APPLICABLE	34566-9483	0	G	BLUE	80	79	78			75								66	65	64								
																			46				43	42	41				
							39	38	37		35					30				26	25	24		22	21				
						20			18	17	16				12			8	7	6	5		3	2	1				
SALEABLE	NOT APPLICABLE	34566-9493	0	G	BLUE	80	79	78			75								66	65									
							59												46				43	42	41				
							39	38	37		35					30				26	25	24		22	21				
						20			18	17	16				12			8	7	6	5		3	2	1				
SALEABLE	NOT APPLICABLE	34566-9513	0	G	BLUE	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61				
						60	59	58	57	56	55	54	53	52	51	50	49	48		46			43	42	41				
							39	38	37		35					30				26	25	24		22	21				
						20			18	17	16				12				8	7	6	5		3	2	1			
SALEABLE	NOT APPLICABLE	34566-9523	0	G	BLUE	80	79	78			75								66	65	64			62					
							59			57			53						46				43	42	41				
							39	38	37		35		33			30				26	25	24		22	21				
						20			18	17	16							8	7	6	5		3	2	1				
SALEABLE	NOT APPLICABLE	34822-0523	0	C	BLUE	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66							
						48	47	46	45				42			39		37	36	35	34	33							
						65					32		30	29	28	27	26	25	24	23	22			19	18	17			
										16	15	14	13	12	11	10	9	8	7	6			3	2	1				
SALEABLE	NOT APPLICABLE	34566-9543	0	A	BLACK																								
									49	48	47	46	45	44	43			40		38	37	36		34					
						73					32	31		29	28	27		25	24	23	22		20	19	18	17			
										16	15			12		10	9			6	5			2	1				
SALEABLE	NOT APPLICABLE	34566-9553	0	C	BLUE							66	65	64	63	62		60	59		57	56	55	54	53				
						52	51		50	49	48	47	46	45			42		39		37	36	35	34	33				
						73					32		30	29	28	27	26	25	24	23	22			19	18	17			
										16	15	14	13	12	11	10	9	8	7	6			3	2	1				
SALEABLE	NOT APPLICABLE	34566-9563	0	C	BLUE	72	71		70	69		67	66	65	64				60				56		54				
						52	51		50	49	48	47	46	45	44				40	39	38			34					
						73					31	30		28		26	25	24	23	22	21	20			17				
										16	15	14	13	12			9	8	7	6									
SALEABLE	NOT APPLICABLE	34566-9573	0	B	ST GR	72	71		70	69	68	67		65	64	63		61	60	59		57	56	55	54	53			
						52	51		50	49	48	47	46	45	44	43	42		40	39			36	35	34	33			
						73					32	31	30	29	28	27	26	25	24	23	22	21							
										16	15	14	13	12	11	10	9	8	7	6			4	3	2				
SALEABLE	NOT APPLICABLE	34566-9583	0	B	ST GR	72	71		70	69	68	67	66	65	64	63		61	60	59		57	56	55	54				
						52	51		50	49	48	47	46	45	44	43		41	40	39	38	37	36	35	34	33			
						73					32	31	30	29	28		26		24	23	22	21	20	19	18	17			
										16	15	14	13	12			9	8	7	6	5	4	3	2	1				
SALEABLE	NOT APPLICABLE	34566-9593	0	A	BLACK	72			70			67				63			60	59	58	57	56	55					
						52	51				48	47				43	42		40	39	38	37	36	35					
						73								28	27									18	17				
														12	11		9		7					2	1				
SALEABLE	NOT APPLICABLE	34566-9613	0	C	BLUE		71		70	69		67	66	65	64				60				56						
						52	51		50	49		47	46	45	44				40	39				34					
						73					31	30		28		26	25	24	23	22	21	20	19	18	17				
										16	15	14	13	12			9	8	7	6	5	4							
SALEABLE	NOT APPLICABLE	34566-9623	9	B	ST GR	72	71		70						64	63		61			58	57	56	55					
						52	51		50							43					38	37	36						
						73					32		30	29	28		26	25	24	23	22	21	20						
										16		14	13			11	10	9	8	7	6	5	4						



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																							
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																							
		NUMBER																											
SALEABLE	NOT APPLICABLE	34566-9633	9	B	ST GRY	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53				
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33				
						73				32	31	30	29	28	27	26	25	24	23	22	21	20			3	2			
SALEABLE	NOT APPLICABLE	34566-9643	9	A	BLACK				69					64	63		61		59										
						52				48				44	43		41		39	38			35	34					
						73						30	29									5			2				
SALEABLE	NOT APPLICABLE	34566-9653	9	G	BLUE	80										10					66	65							
							59		57																				
							39								30														
SALEABLE	NOT APPLICABLE	34566-9663	0	B	ST GRY	72	71	70	69	68	67	66	65	64	63		61			58	57	56	55	54	53				
						52	51	50	49	48	47	46	45	44				40			37	36	35	34	33				
						73				32		30	29	28		26	25	24		21					2	1			
SALEABLE	NOT APPLICABLE	34822-0533	9	C	BLUE	64	63			60	59		57	56	55		53	52	51	50	49	66							
						48	47	46	45			42			39	38		36	35	34	33								
						65				32		30	29	28	27	26	25	24	23	22		20		18	17				
SALEABLE	NOT APPLICABLE	34822-0543	0	A	BLACK	64	63	62	61	60	59					54	53		51		49	66							
							47								38	37		35		33									
						65								28		25	24		22	21	20	19	18	17					
SALEABLE	NOT APPLICABLE	34822-0553	0	A	BLACK	64	63								54	53		51		49	66								
															38	37		35		33									
						65					31			28			24	23		21	20	19	18	17					
SALEABLE	NOT APPLICABLE	34822-0563	0	C	BLUE	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66							
						48	47	46	45			42			39		37	36	35	34	33								
						65				32		30	29	28	27	26		24	23	22			19	18	17				
SALEABLE	NOT APPLICABLE	34566-9673	0	C	BLUE	72	71	70	69		67	66	65	64				60			56		54						
						52	51	50	49		47	46	45	44				40	39	38			34						
						73					31	30		28		26	25	24	23	22	21	20			17				
SALEABLE	NOT APPLICABLE	34566-9683	0	B	ST GRY	72	71	70	69	68	67	66	65	64	63		61	60			57	56	55	54					
						52	51	50	49	48	47	46	45	44	43		41	40		38	37	36	35		33				
						73				32	31	30	29	28		26		24	23	22	21	20	19		17				
SALEABLE	NOT APPLICABLE	34566-9693	0	A	BLACK	72		70			67				63			60	59	58	57	56	55		53				
						52	51			48	47				43	42		40	39	38	37	36	35		33				
						73								28										18	17				
SALEABLE	NOT APPLICABLE	34566-9713	0	B	ST GRY					68	67	66	65	64					59	58	57		55	54	53				
							51	50	49	48		46	45		43	42		40	39	38	37		35		33				
						73				32	31	30				26		24	23	22		20							
SALEABLE	NOT APPLICABLE	34566-9723	0	B	ST GRY	72	71	70	69	68	67	66	65	64	63		61			58	57	56	55						
						52	51	50	49	48	47	46	45		43			40			37	36							
						73				32		30	29	28		26	25	24		21		19							
SALEABLE	NOT APPLICABLE	34566-9733	0	A	BLACK	72	71	70			67	66						59						53					
						52	51	50			47	46							39		37		35		33				
						73						30	29	28	27	26				21				17					
SALEABLE	NOT APPLICABLE	34822-0573	0	A	BLACK	64	63								54	53		51		49	66								
															38	37		35		33									
						65								28				24		22		20	19	18	17				



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																			
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ _{Fp}	COLOR OPTION ▽ _{Fp}	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ _{Fp}																			
		NUMBER																							
SALEABLE	NOT APPLICABLE	34822-0583	0	A	BLACK						59	58	57	56		54	53			50		66			
										44			41			37	36	35	34	33					
						65						31			28		26	25	24	23					
SALEABLE	NOT APPLICABLE	34822-0593	0	A	BLACK	64	63	62		60	59		57	56	55	54	53		51		49	66			
						48	47	46	45			42			39		37		35		33				
						65					32											21		19	18
SALEABLE	NOT APPLICABLE	34566-9743	0	B	ST GR Y	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53
								50	49	48	47	46		44	43	42		40	39			36	35	34	33
						73					32	31	30	29	28	27	26	25	24	23	22	21			3
SALEABLE	NOT APPLICABLE	34566-9753	0	C	BLUE	72	71	70	69		67	66	65	64				60			56		54		
						52	51	50	49		47	46	45	44		42	41	40	39						
						73						31	30		28		26	25	24	23	22	21	20		
SALEABLE	NOT APPLICABLE	34566-9763	0	G	BLUE			78	77	76									67	66	65				
											55								47		45				
						40	39	38	37	36	35	34	33	32			29	28		26	25			22	21
SALEABLE	NOT APPLICABLE	34566-9773	0	A	BLACK	72	71	70			67	66						59					53		
						52	51	50			47	46						39		37		35		33	
						73							30	29	28	27	26				21				17
SALEABLE	NOT APPLICABLE	34566-9783	0	B	ST GR Y	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53
								50	49	48	47	46		44	43	42		40	39			36	35	34	33
						73					32	31	30	29	28	27	26	25	24	23	22	21			3
SALEABLE	NOT APPLICABLE	34822-0603	0	C	BLUE	64	63	62		60	59		57	56	55	54	53		51		49	66			
						48	47	46	45			42			39		37		35		33				
						65					32													19	18
SALEABLE	NOT APPLICABLE	34822-0613	0	A	BLACK		63	62	61		59					54	53					66			
																38	37		35		33				
						65						31			28					24		22	21	20	19
SALEABLE	NOT APPLICABLE	34566-9793	9	B	ST GR Y	72	71		69	68	67		65	64	63		61			58	57	56	55	54	53
						52	51	50	49	48	47			44	43		41			38	37	36			
						73								29	28		26	25	24	23	22		20		
SALEABLE	NOT APPLICABLE	34566-9813	9	A	BLACK	72	71	70			67	66	65	64	63	62	61		59				55	54	53
						52	51				47	46	45	44	43	42	41		39		37	36	35	34	33
						73							30	29				25							18
SALEABLE	NOT APPLICABLE	34822-0623	0	A	BLACK	64	63	62		60	59		57	56	55	54	53	52	51	50	49	66			
						48	47	46	45			42			39		37	36	35	34	33				
						65					32	31	30	29	28	27	26	25	24	23	22			19	18
SALEABLE	NOT APPLICABLE	34566-9823	0	A	BLACK	72	71	70	69	68	67		65	64	63		61	60	59		57	56	55	54	53
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33
						73					32	31	30	29	28	27	26	25	24	23	22	21			3
SALEABLE	NOT APPLICABLE	34822-0633	0	A	BLACK		63	62	61		59					54	53			49	66				
																38	37		35						33
						65					32	31			28				24		22	21	20	19	18
SALEABLE	NOT APPLICABLE	34822-0643	9	C	BLUE	64	63			60	59		57	56	55		53	52	51	50	49	66			
						48	47	46	45			42			39	38		36	35	34	33				
						65					32		30	29	28	27	26	25	24	23	22		20		18



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																				
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																				
		NUMBER																								
SALEABLE	NOT APPLICABLE	34822-0653	0	A	BLACK	64	63	62	61		59					54	53				49	66				
																38	37		35		33					20
						65					31			28				24		22	21		4	3	2	1
SALEABLE	NOT APPLICABLE	34566-9833	9	B	ST GRY	72	71	70	69	68	67			64	63		61			58	57	56	55	54	53	
						52	51	50	49	48	47			44	43		41			38	37	36			33	
						73				32		30	29	28		26	25	24	23	22	21	20				
SALEABLE	NOT APPLICABLE	34566-9843	9	A	BLACK	72	71	70			67	66	65	64	63	62	61		59			55	54	53		
						52	51	50			47	46	45	44	43	42	41	40	39		37	36	35	34	33	
						73						30	29											18	17	
SALEABLE	NOT APPLICABLE	34566-9853	9	B	ST GRY	72	71	70	69	68	67		65	64	63	62	61	60	59	58	57	56	55	54	53	
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33	
						73				32	31	30	29	28	27	26	25	24	23	22	21	20				
SALEABLE	NOT APPLICABLE	34566-9863	0	B	ST GRY	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53	
						52	51	50	49	48	47	46	45	44	43	42		40	39			36	35	34	33	
						73				32	31	30	29	28	27	26	25	24	23	22	21					
SALEABLE	NOT APPLICABLE	34566-0004	0	A	BLACK	72	71	70	69		67			64	63		61	60	59		57	56	55	54	53	
						52	51			48			45	44	43		41	40	39	38	37	36	35	34	33	
						73					31	30	29		27	26	25			22			19	18		
SALEABLE	NOT APPLICABLE	34566-0014	0	G	BLUE	80	79	78	77		75									66	65	64		62		
							59		57											46			43	42	41	
							39	38	37		35		33	32		30				26	25	24		22	21	
SALEABLE	NOT APPLICABLE	34566-0024	0	G	BLUE	20		18	17	16	15			12				8	7	6	5		3	2	1	
SALEABLE	NOT APPLICABLE	34566-0034	0	G	BLUE	80	79	78			75								66	65	64		62			
							59		57				53						46			43	42	41		
							39	38	37		35		33	32		30				26	25	24		22	21	
SALEABLE	NOT APPLICABLE	34566-0044	0	A	BLACK	20		18	17	16			12			8	7	6	5		3	2	1			
						72	71	70	69		67			64		61	60	59		57	56	55	54	53		
						52	51			48			45	44		41	40	39	38	37	36	35	34	33		
SALEABLE	NOT APPLICABLE	34566-0054	0	G	BLUE	73					31	30	29		27	26	25		22			19	18			
										16	15	14	13	12	11	10	9	8	7	6	5			3	2	
						80	79	78	77		75									66	65	64		62		
SALEABLE	NOT APPLICABLE	34566-0064	0	A	BLACK		59		57										46			43	42	41		
							39	38	37		35		33		30				26	25	24		22	21		
						20		18	17	16	15			12				8	7	6	5		3	2	1	
SALEABLE	NOT APPLICABLE	34566-0084	0	A	BLACK	72	71	70	69		67			64	63		61	60	59		57	56	55	54	53	
						52	51			48			45	44	43		41	40	39	38	37	36	35	34		
						73					31	30	29		27	26	25			22			19	18		
SALEABLE	NOT APPLICABLE	34566-0094	0	B	ST GRY			70	69		67			64		61	60	59		57	56	55	54	53		
						52	51			48			45	44		41	40	39	38	37	36	35	34	33		
						73					31	30	29		27	26	25			22			19			
SALEABLE	NOT APPLICABLE	34566-0104	0	B	ST GRY	72	71	70	69	68	67		65	64	63	62	61	60	59		57	56	55	54	53	
						52	51	50	49	48	47	46		44	43	42		40	39			36	35	34	33	
						73				32	31	30	29	28	27	26	25	24	23	22	21					
SALEABLE	NOT APPLICABLE	34566-0104	0	B	ST GRY			50	49	48	47	46		44	43	42		40	39			36	35	34	33	
						73				32	31	30	29	28	27	26	25	24	23	22	21					
										16	15	14	13	12	11	10	9		7	6		4	3	2		



MX123 52/66/73/80-WAY RECEPTACLE ASSY SEALED PIN OUT SHEET

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP																					
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ _{Fp}	COLOR OPTION ▽ _{Fp}	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ _{Fp}																					
		NUMBER																									
SALEABLE	NOT APPLICABLE	34566-0114	0	B	ST GR	72	71	70	69					64	63		61			58	57	56	55				
						52	51	50	49						43					38	37	36					33
						73				32		30	29	28		26	25	24	23	22	21	20					1
SALEABLE	NOT APPLICABLE	34566-0124	0	B	ST GR	72										62	61	60	59				55				
						52				48	47	46						40									33
						73						30								22	21	20	19	18	17		
SALEABLE	NOT APPLICABLE	34566-0134	0	B	ST GR	72										62	61	60	59				55				
						52				48	47	46					41	40		38	37	36	35				
						73						30							22	21	20	19	18				
SALEABLE	NOT APPLICABLE	34566-0144	9	B	ST GR								66						58								
																	41			38	37						
						73												8			5	4		19	18	17	1
SALEABLE	NOT APPLICABLE	34822-0663	9	C	BLUE				61	60		58			54						66						
										44	43					37						66					
						65					31										21	20	19				
SALEABLE	NOT APPLICABLE	34822-0673	0	A	BLACK	64				60		58			54						66						
						48	47	46	45	44	43					39			52	51	50		66				
						65				32		30	29		27	26	25										
SALEABLE	NOT APPLICABLE	34822-0683	9	A	BLACK		63	62	61	60	59					54	53				49	66					
										44					38	37		35	33		66						
						65					31			28			24	23	22	21	20	19	18	17			
SALEABLE	NOT APPLICABLE	34822-0693	9	C	BLUE			62	61			58			54												
										44	43		41	40			37										
						65					31											20	19				
SALEABLE	NOT APPLICABLE	34566-0154	9	B	ST GR	72	71	70	69	68	67	66	65	64	63	62	61	60	59		57	56	55	54	53		
						52	51	50	49	48	47	46	45	44	43	42		40	39		36	35	34	33			
						73				32	31	30	29	28	27	26	25	24	23	22	21						
SALEABLE	NOT APPLICABLE	34566-0164	0	G	BLUE	80	79	78	77		75								66	65	64		62				
							59		57				53						46		44	43	42	41			
							39	38	37		35		33	32		30			26	25	24		22	21			
SALEABLE	NOT APPLICABLE	34566-0174	9	B	ST GR	72	71	70			67	66					60			57				53			
						52	51	50			47	46							39		37		35		33		
						73						30	29	28			25	24	23	22		20	19		17		
SALEABLE	NOT APPLICABLE	34566-0184	9	B	ST GR								13	12				8	7			3		1			
						72	71	70	69	68	67	66	65	64	63		61			58	57	56	55	54	53		
						52	51	50	49	48	47	46	45	44	43	42	41	40			37	36					
SALEABLE	NOT APPLICABLE	34566-0184	9	B	ST GR	73				32		30	29	28		26	25	24									
										16		14	13	12	11	10	9	8		6	5					1	