



产品编号 : 5018203231
Product Description : 2.50mm, 3.70mm CMC Header, Panel Mount, 32 Circuits, Black
系列号 : 501820
状态 : Active
Product Category : PCB Headers and Receptacles



文件和资源

图纸
图纸 5018203231_sd.pdf

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 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	PCB Headers and Receptacles
系列	501820
说明	2.50mm, 3.70mm CMC Header, Panel Mount, 32 Circuits, Black
应用	Automotive, Power, Wire-to-Board
个评论	Coding: Gray
元件类型	PCB Header
产品系列	CMC and CMX Sealed, Hybrid, Modular Connectors
产品名称	CMC
UPC	191128916516

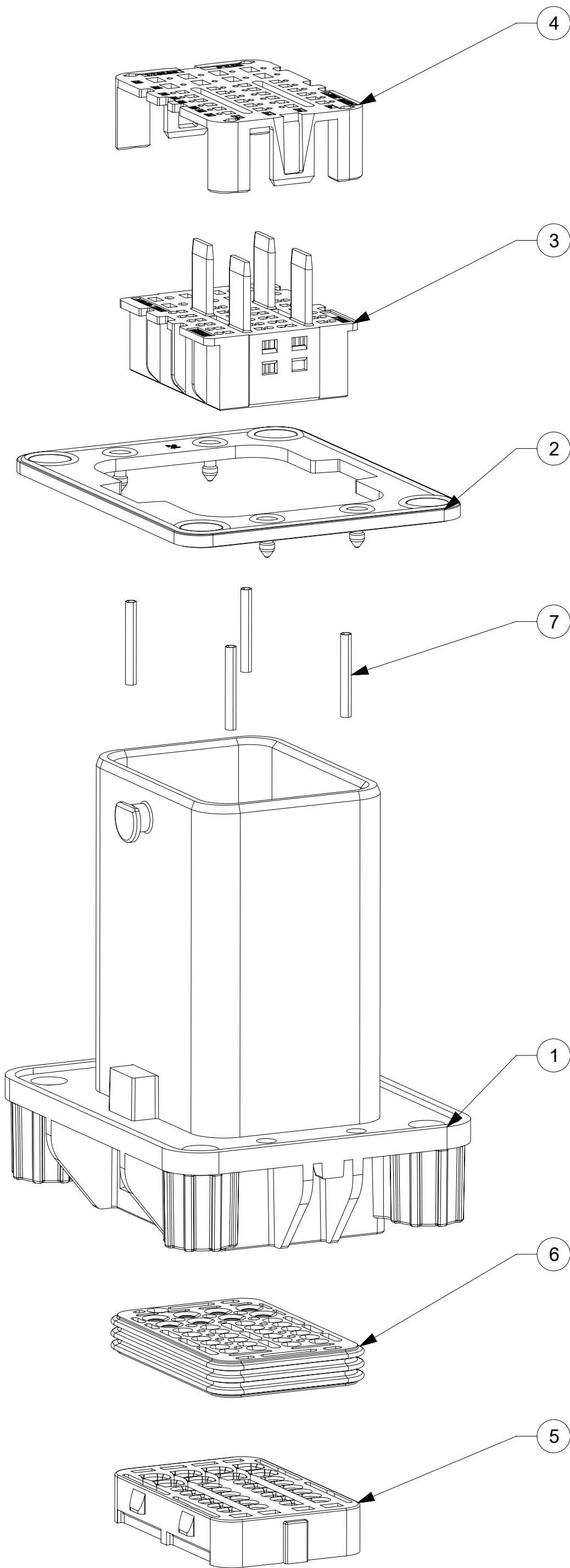
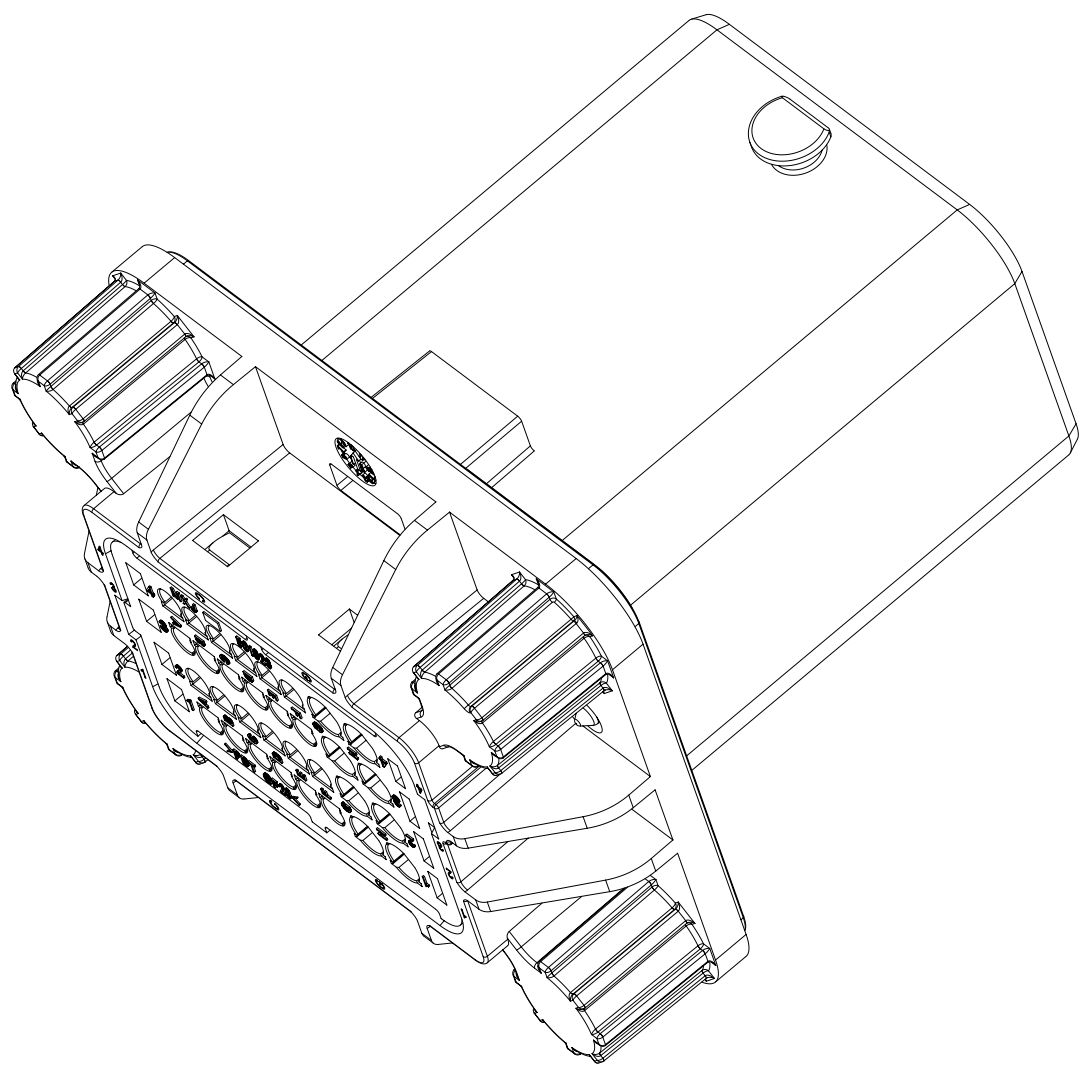
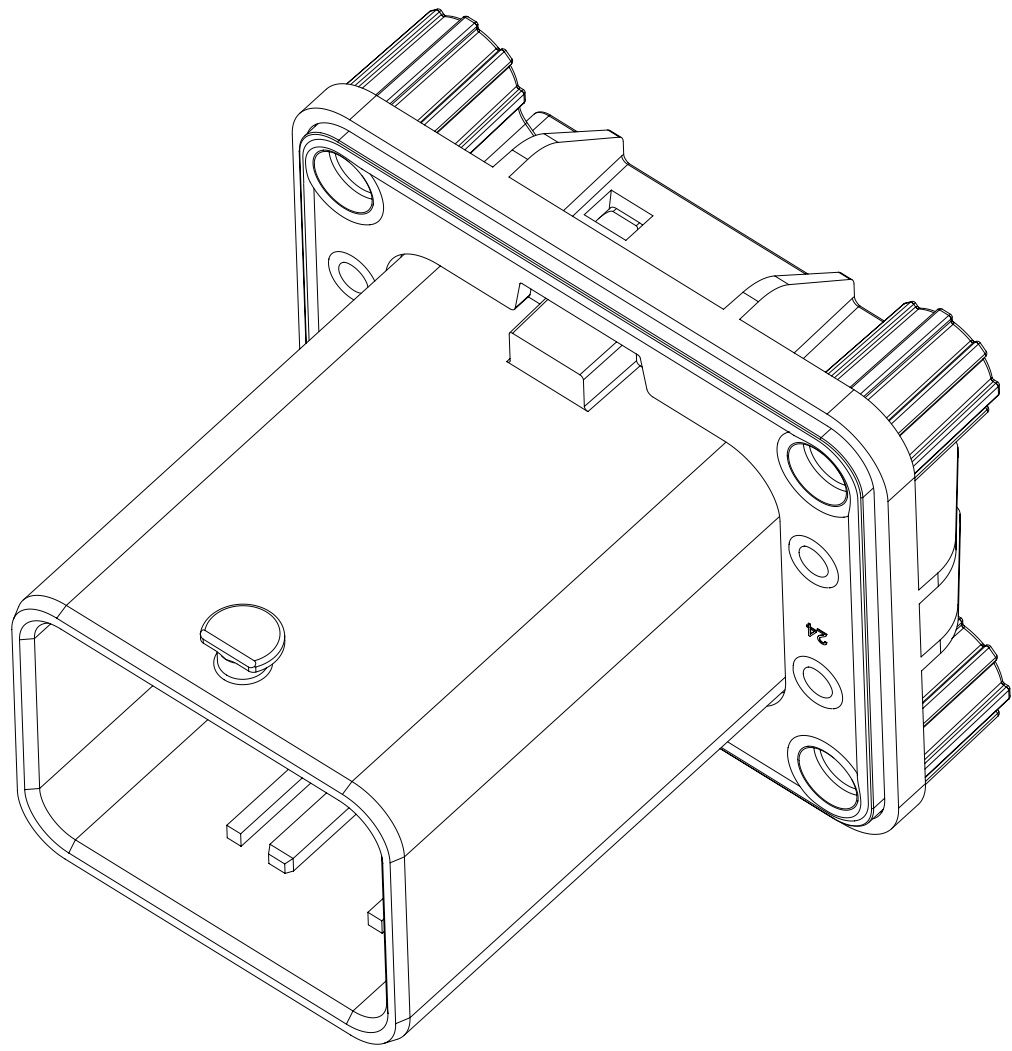
电气

每触点最大电流	12.0A
电压 - 最大	14V DC

物理

断开	否
回路数（已载入）	32
电路数（最多）	32
颜色-树脂	黑色
耐用性(插拔次数) - 最多次数	20
先接后断	否
符合灼热丝规范	否
可配插产品指南	是
插接极性	是
锁定插接部位	是
材料 - 金属	Stainless Steel
材料 - 接合部位电镀	Tin
材料 - 终端电镀	Tin
材料 - 树脂	PBT
净重	41.150/g

行数	4
方向	Right Angle
包装形式	Tray
PCB 定位器	是
PCB 保持力	是
推荐的 PCB 厚度	1.60mm
间距 - 插配接口	2.50mm, 3.70mm
有极性的插配件	是
PCB 极性	是
运行温度范围	-40° to +105° C
终端界面类型	Solder or Weld



ASSEMBLY PART LIST				
ITEM NO.	DESCRIPTION	QTY/ASSY	MATERIAL	COLOR
1	HOUSING	1	PBT G.F.	GRAY
2	GASKET	1	SILICONE	RED BROWN
3	SECONDARY LOCKING	1	PBT G.F.	BLACK
4	ALIGNMENT PLATE	1	PBT G.F.	GREEN
5	REAR SEAL COVER	1	PBT G.F.	GREEN
6	MAT SEAL	1	SILICONE	BLUE
7	COIL SPRING	4	STAINLESS STEEL	/

INSPECTION BALLOON NUMBERS LOG	
THE LAST BALLOON NUMBER USED	9
THE BALLOON NUMBER ADDED	
THE BALLOON NUMBER REMOVED	

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- 1.1 MATING CONNECTOR INFORMATION REFER TO MOLEX SD-64319-001
1.2 APPLICATION SPECIFICATION SEE: 5018203231-AS
1.3 PRODUCT SPECIFICATION SEE: 5018203231-PS
1.4 HEADER INTERFACE DRAWING REFER TO MOLEX DWG SD-98644-006
1.5 PACKAGING SPECIFICATION PER MOLEX DRAWING 5018209000-PK
1.6 DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS: SEE ASSEMBLY PART LIST TABLE

3. DESIGN - GEOMETRY:

- 3.1 THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
3.2 THE 3-D CAD DATA IS MASTER FOR THIS PART AND IS TO BE USED TO ESTABLISH DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING. ANY DIMENSIONS UNDERLINED INDICATE A CONFLICT WITH THE MODEL.
3.3 PRODUCT DESIGN MODEL NUMBER(S): 501820323X CUSTOMER MODEL FROM MOLEX PLM SYSTEM.
3.4 GENERAL TOLERANCE SEE TITLE BLOCK.
3.5 LASER MARKING TEXT, FONT: ARIAL, SIZE 4mm

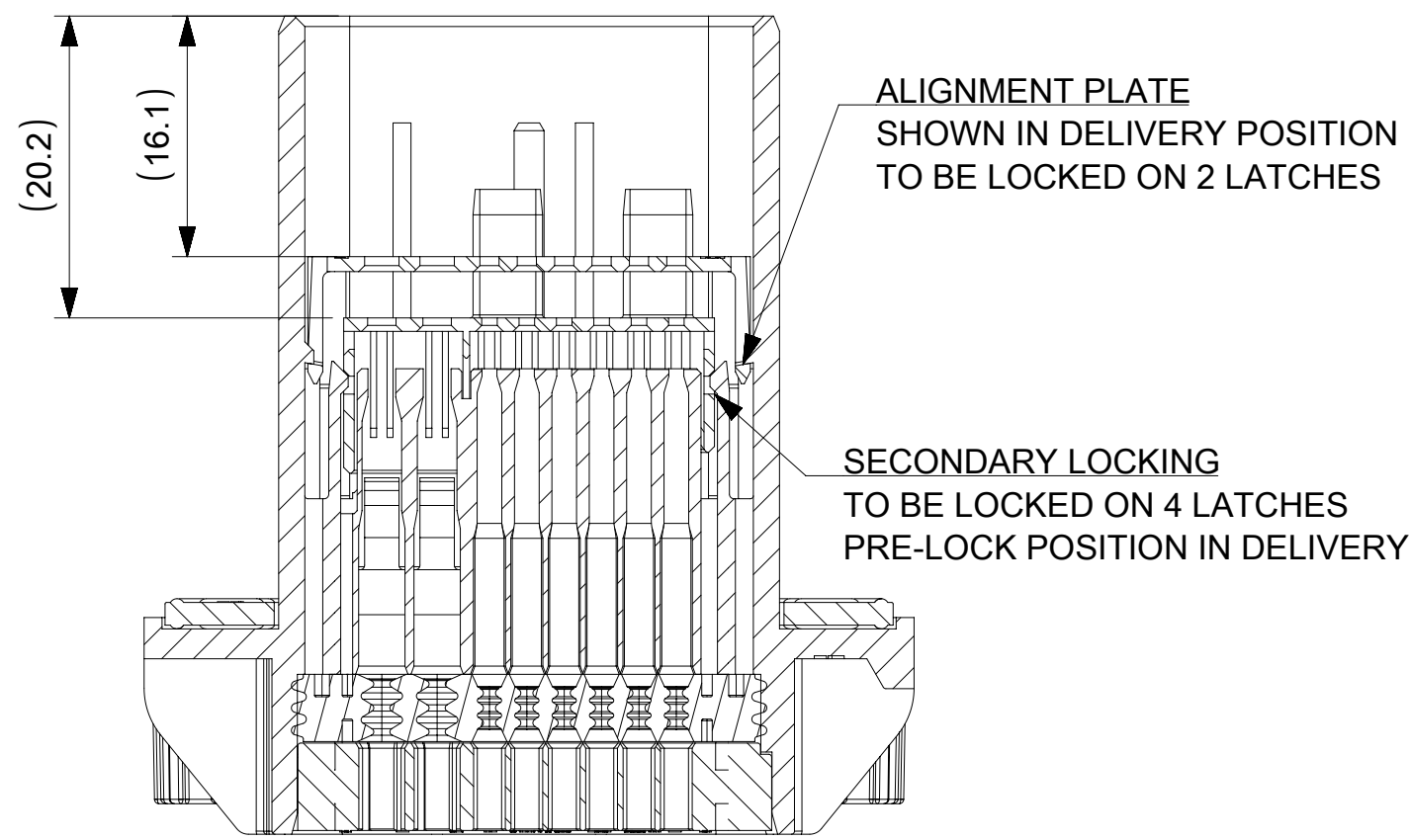
4. DESIGN - MANUFACTURING:

- 4.1 SHIPPED PARTS WITH GASKET ASSEMBLED.
4.2 ALIGNMENT PLATE IN PRE-LOCK POSITION DURING DELIVERY.

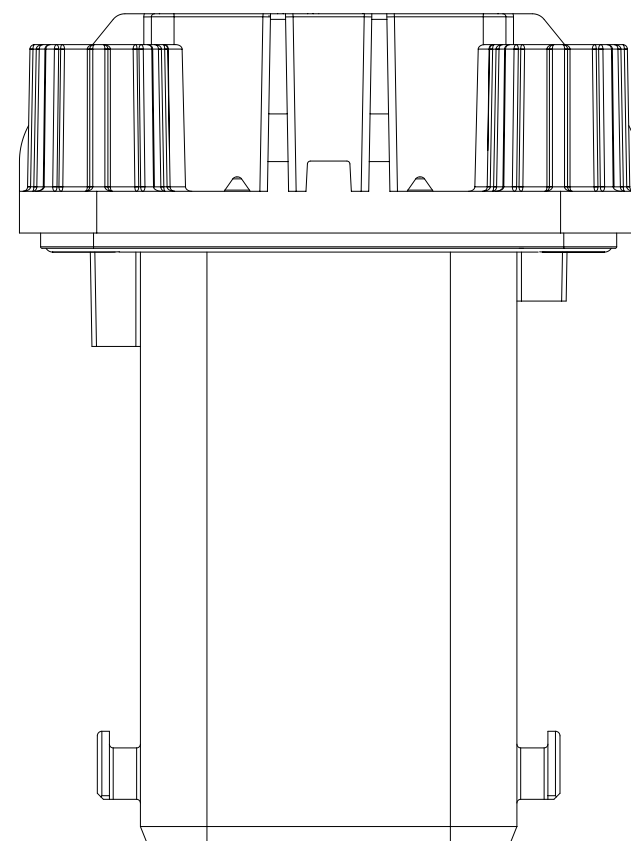
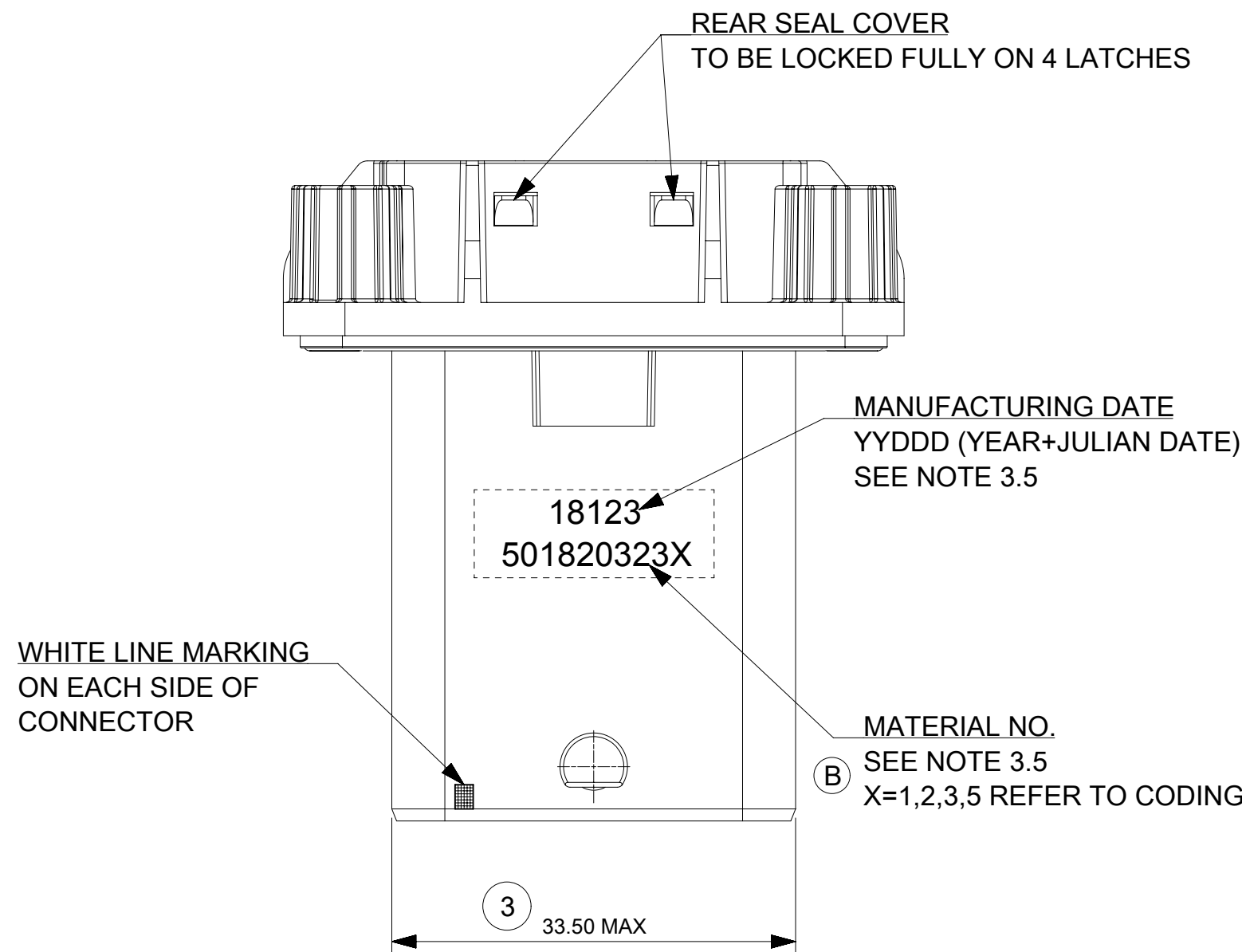
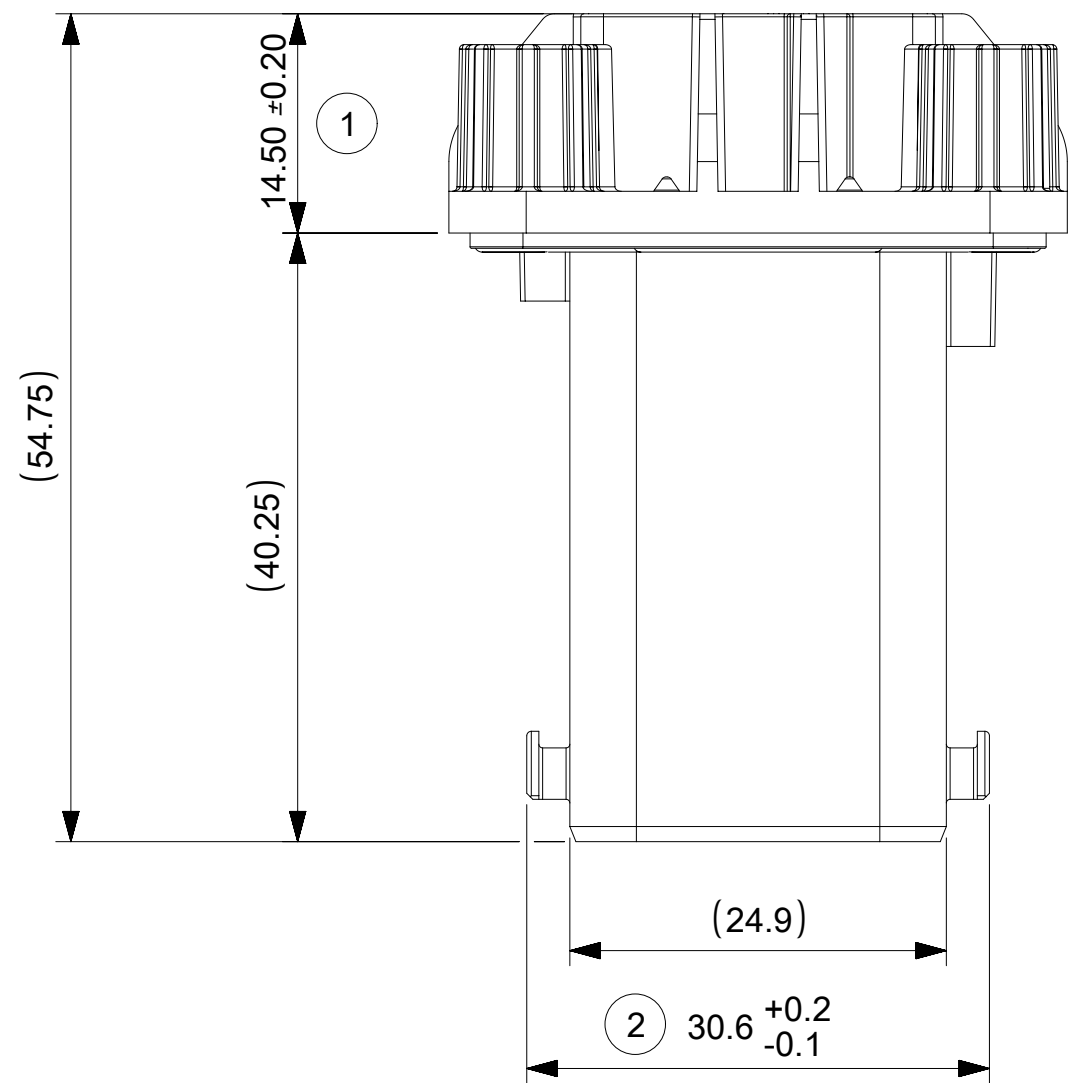
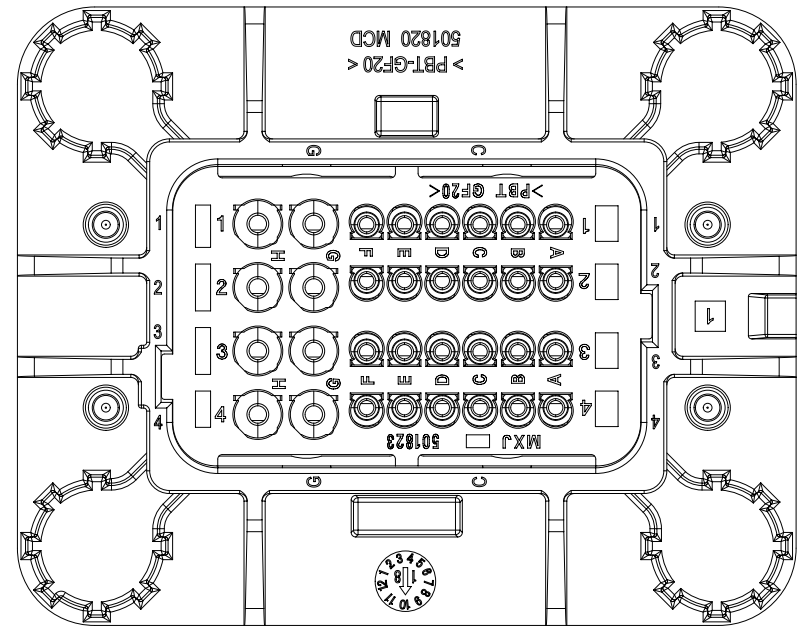
C	622486	2019/8/16	Page1: Notes: Remove 4.1 ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE ITS ELECTRICAL PERFORMANCE AS DEFINED IN THE PRODUCT SPEC. PROCESS LUBRICANTS SHALL BE APPROVED BY THE RESPONSIBLE ENGINEER. Page2: Notes: Revise the 5th notes for screw torque recommendation
B1	612043	2019/2/14	RELEASE FOR GENERAL MARKET NO MODIFICATION FOR CONTENT
B	603954	2018/9/10	Add header coding table on pg2. Revise laser marking content definition. Revise note for screw torque recommendation. Revise panel recommendation layout: 10.75±0.1 was 10.4±0.1 7.6±0.1 was 7.2±0.1 16.25±0.1(2x) was 16.1±0.1(2x) add radius R1.0 MAX (4x) see revision marker (B) for changes
A	600397	2018/6/11	INITIAL RELEASE
REVISION	ECTR #	DATE	DESCRIPTIONS

REVISION LOG

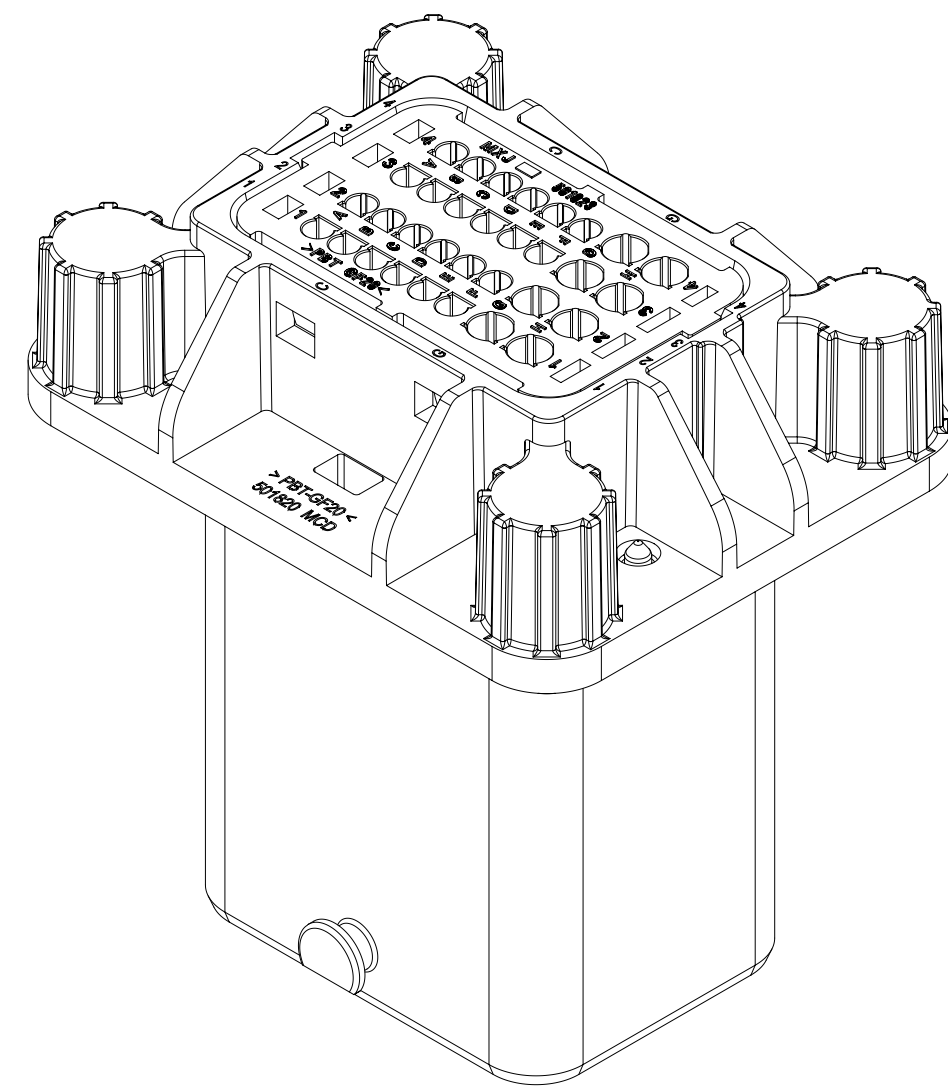
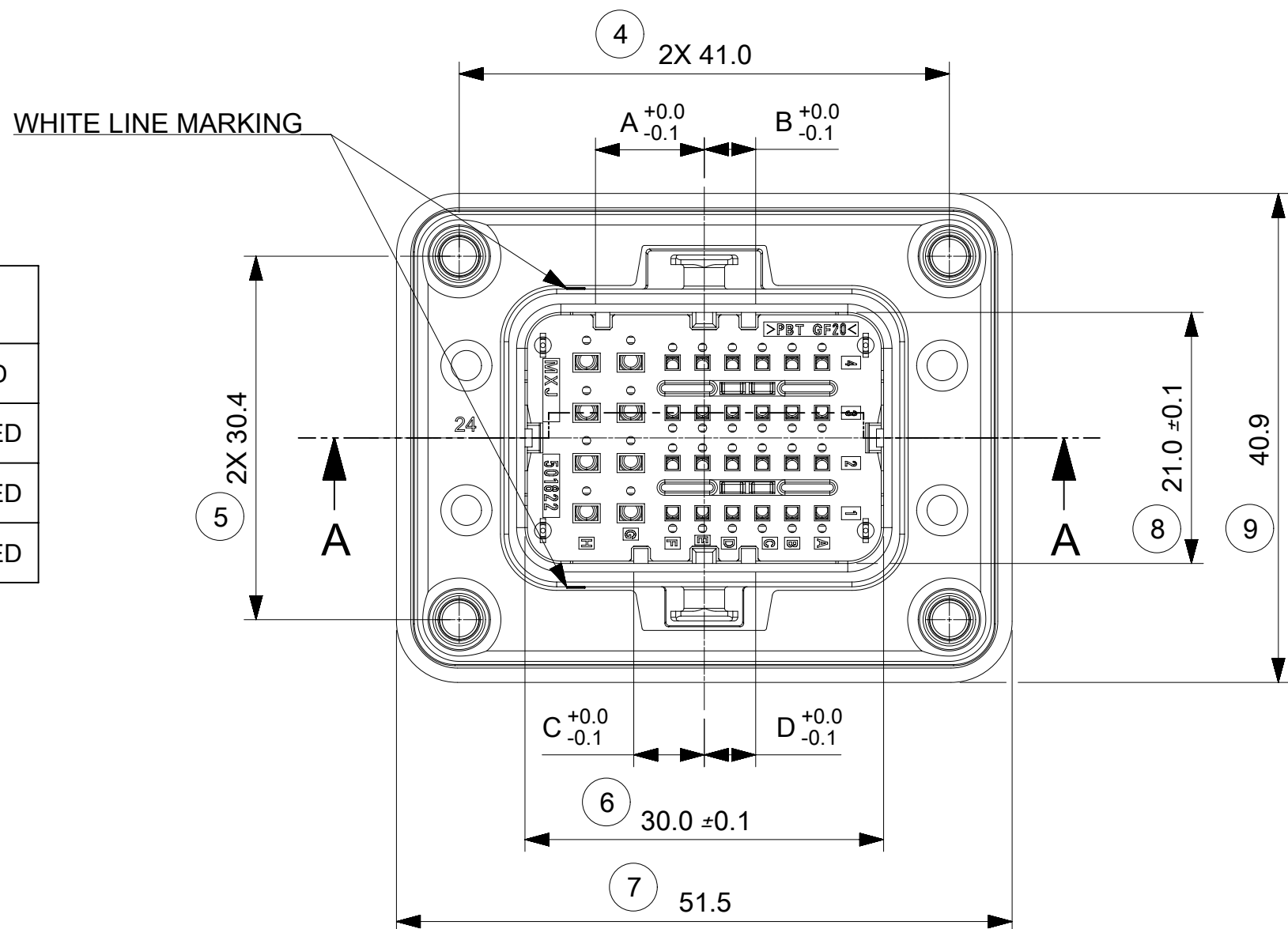
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: INITIAL RELEASE				molex									
	= 0	mm		2:1															
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
	= 0	ANGULAR TOL ± 2.0 °																	
	= 0	4 PLACES ±																	
	= 0	3 PLACES ±				EC NO: 622486 DRWN: NPENG01 2019/08/16 CHK'D: HWBAI 2019/08/21 APPR: JDENG02 2019/08/22				SALES DARWING CMC 32P PANEL MOUNT HEADER									
	= 0	2 PLACES ±																	
	= 0	1 PLACE ± 0.2																	
	= 0	0 PLACES ± 0.2				INITIAL REVISION: DRWN: HWBAI 2018/05/23 APPR: CBQIU 2018/07/04				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								THIRD ANGLE PROJECTION		DRAWING		SERIES		5018203231-SD		PSD	
								A1-SIZE		501820		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
												SEE TABLE		GENERAL MARKET		1 OF 2			



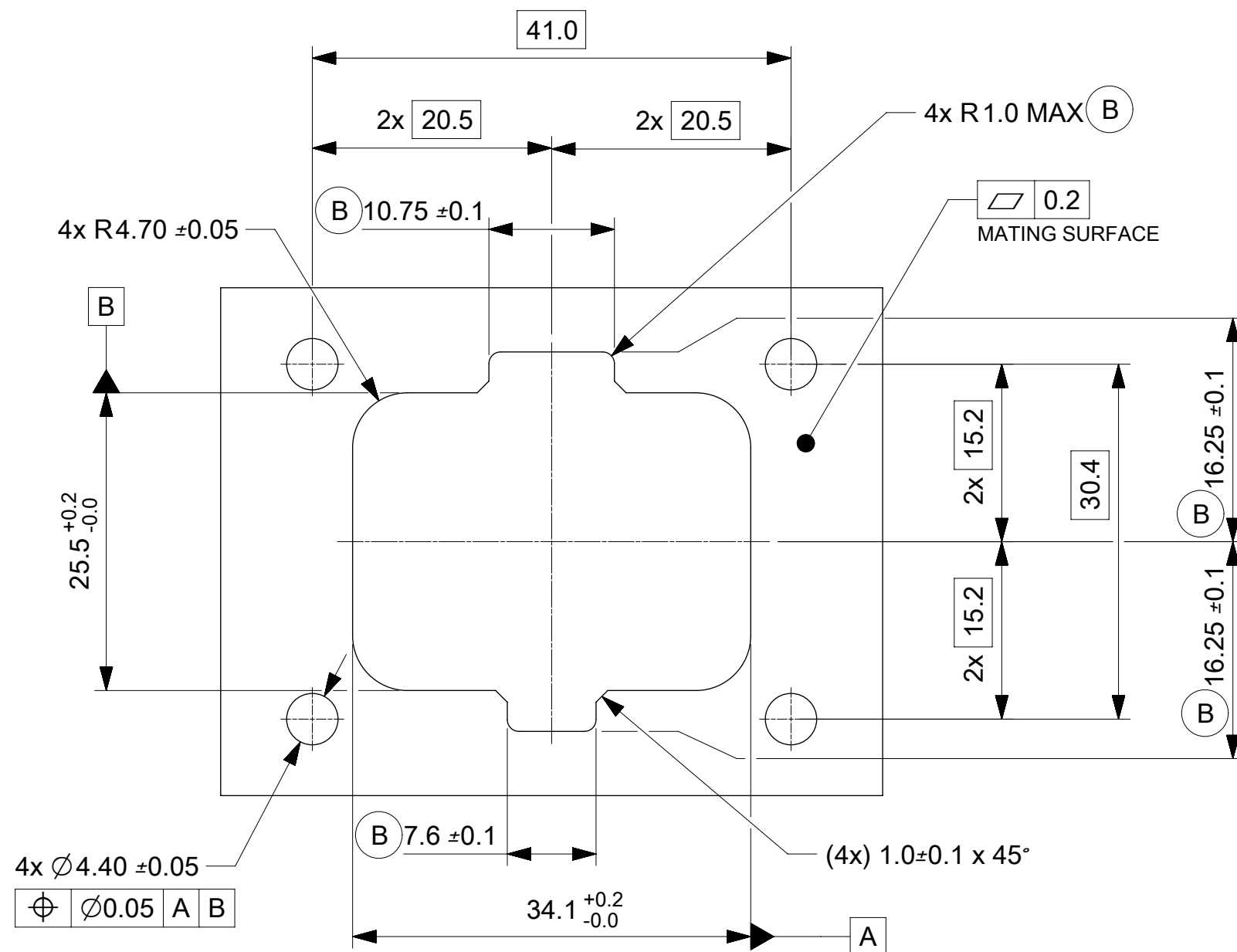
SECTION A-A



B HEADER CODING TABLE							
MOLEX P/N	CODING	COLOR (RCPT TPA)	DIM. A	DIM. B	DIM. C	DIM. D	STATUS
5018203231	1	BLACK	9.1	4.3	5.9	4.3	RELEASED
TBD	2	GREY	7.5	5.9	9.1	5.9	NOT TOOLED
TBD	3	BROWN	5.9	7.5	9.1	9.1	NOT TOOLED
TBD	5	BLUE	4.3	7.5	5.9	5.9	NOT TOOLED



PANEL LAYOUT RECOMMENDATION



- NOTES:
- MATERIAL: STAINLESS STEEL OR ALUMINIUM.
 - REQUIRED MATING SURFACE FINISH: Ra 3.0µm MAX OR POLISHED
 - RECOMMENDED PANEL THICKNESS FOR MATING AREA: t=3.0~4.0mm
 - REQUIRED SCREW:
NAME: CROSS RECESSED ROUND HEAD SELF-TAPPING SCREW TYPE F
SPECIFICATION: ST4.2X13, REFER TO GB/T845-1985 Q2724213
5. RECOMMENDED FASTEN TORQUE: 1.4 N·m, MORE DETAILS REFER TO 5018203231-AS-CH

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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