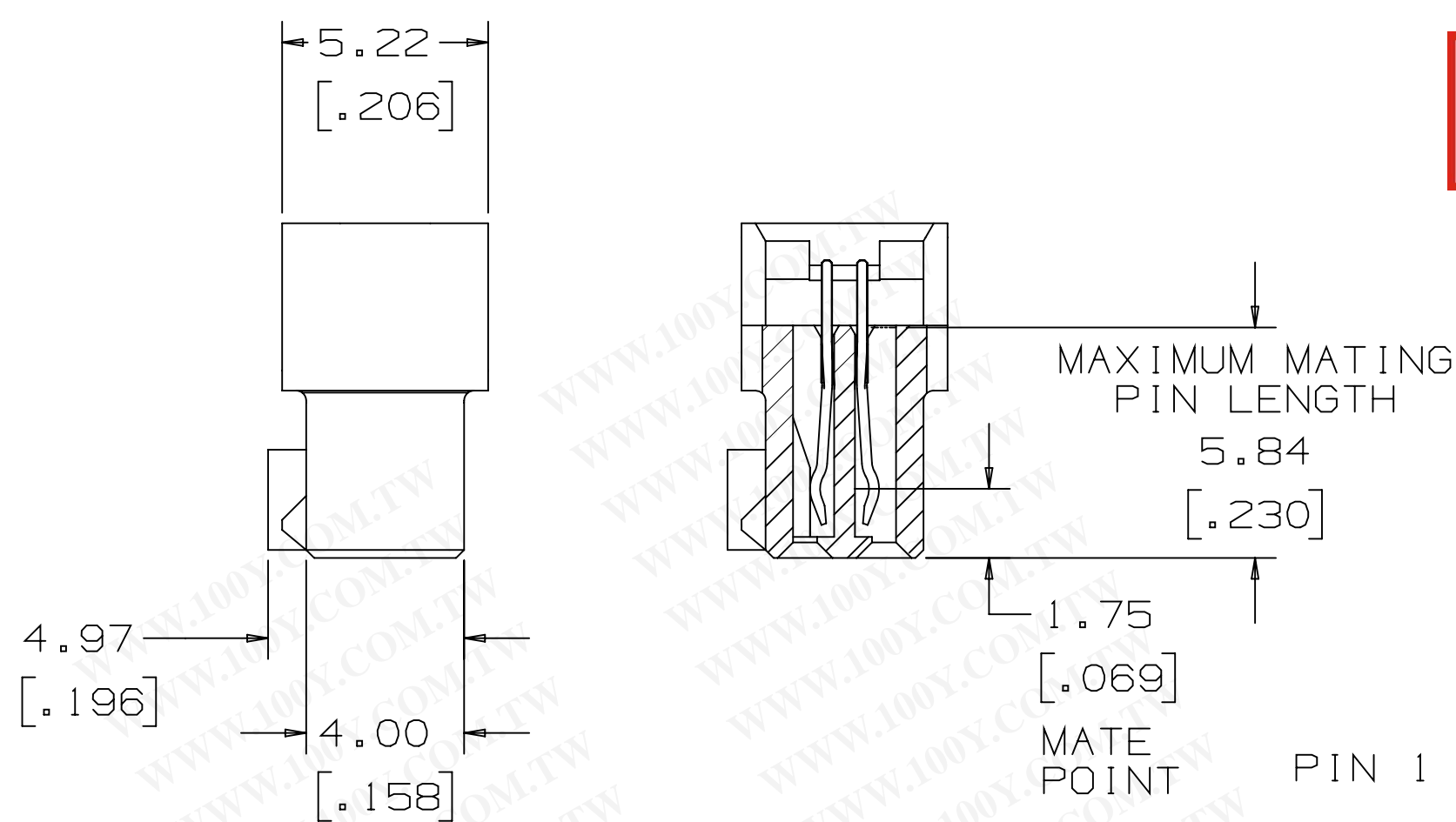
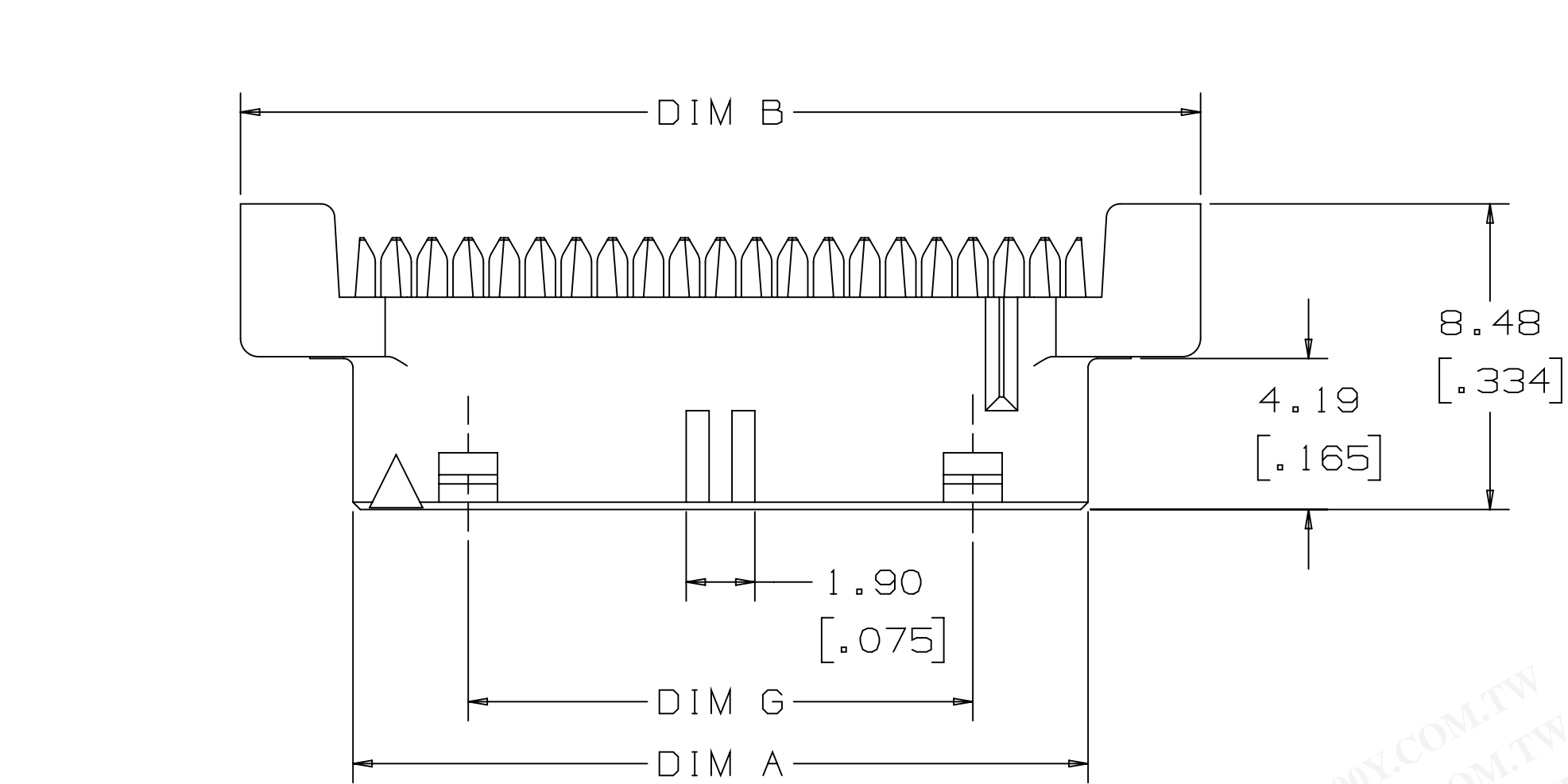
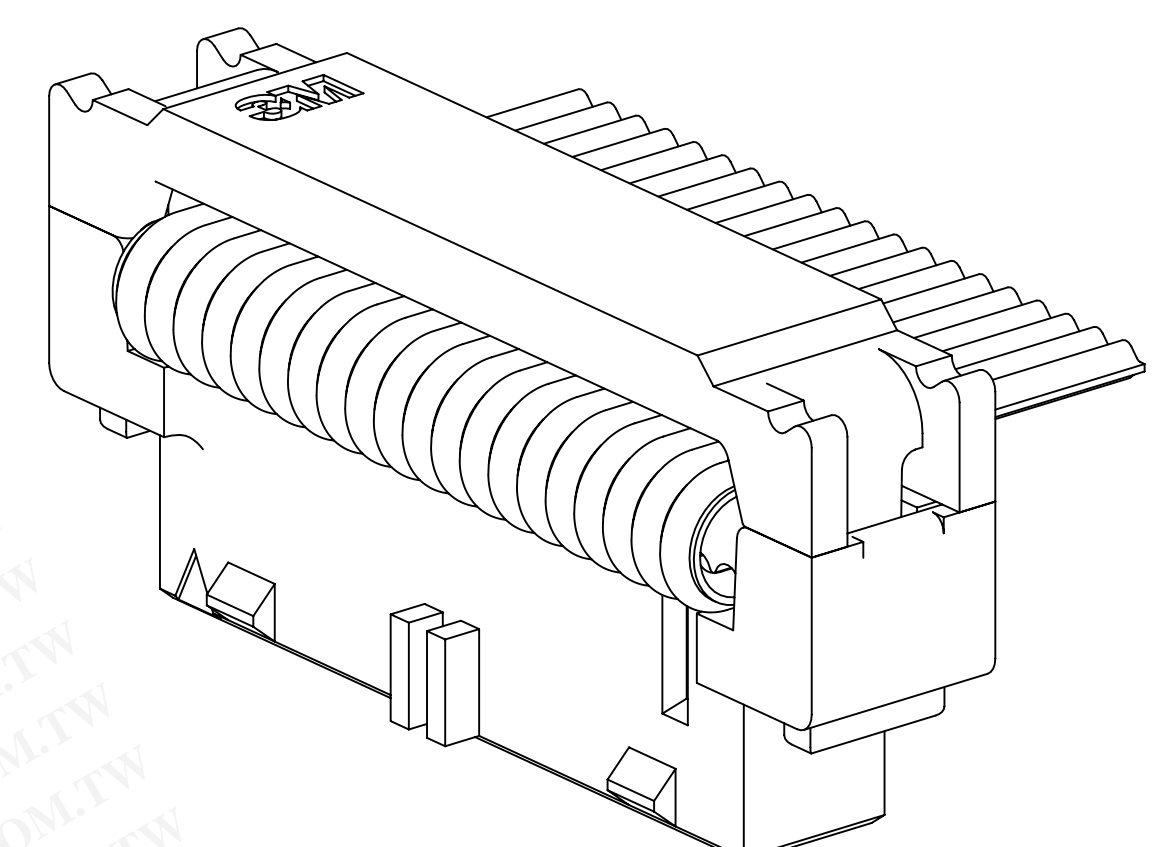
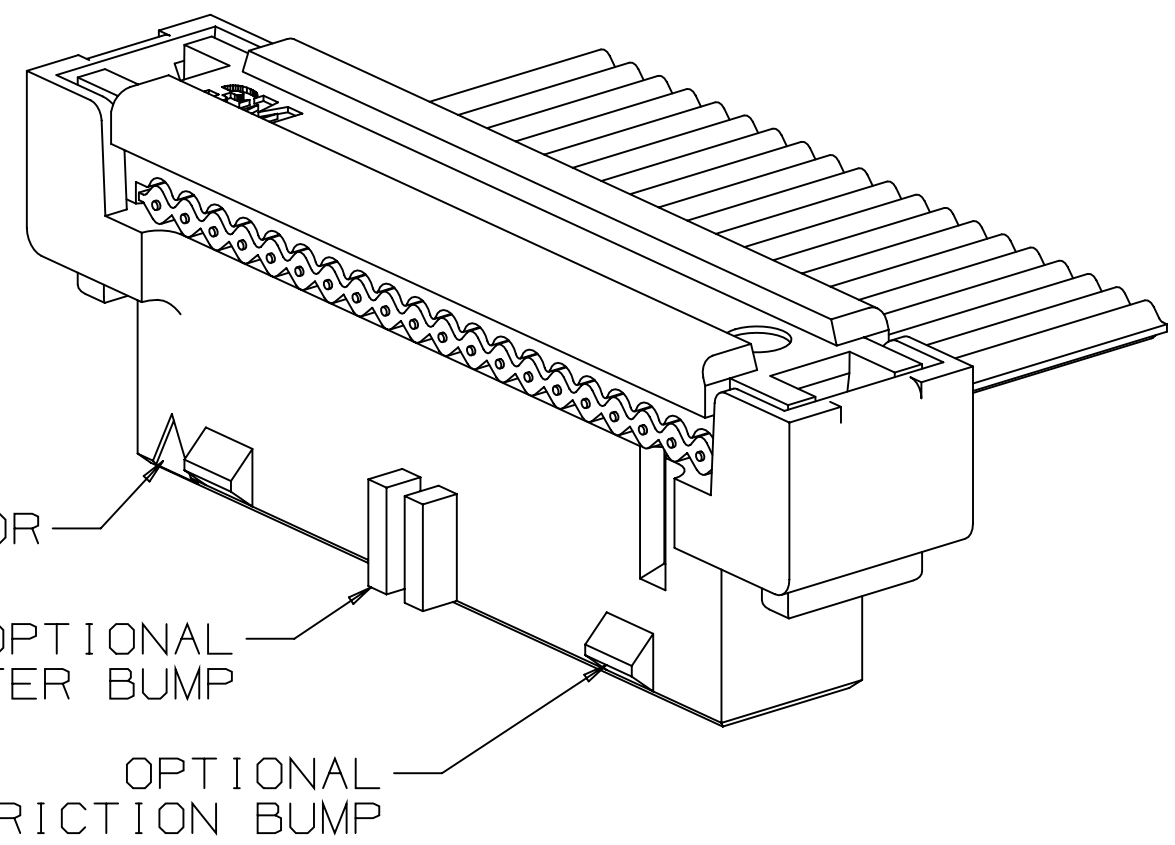
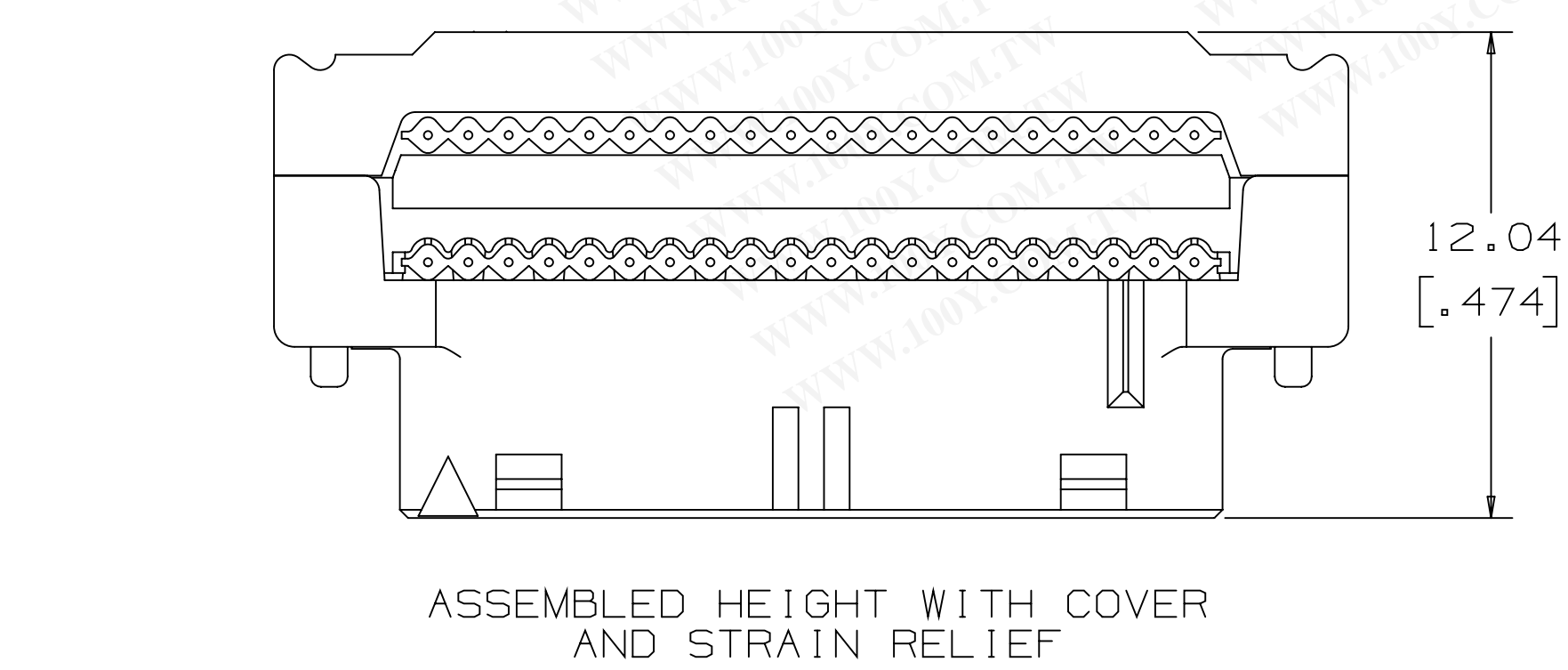
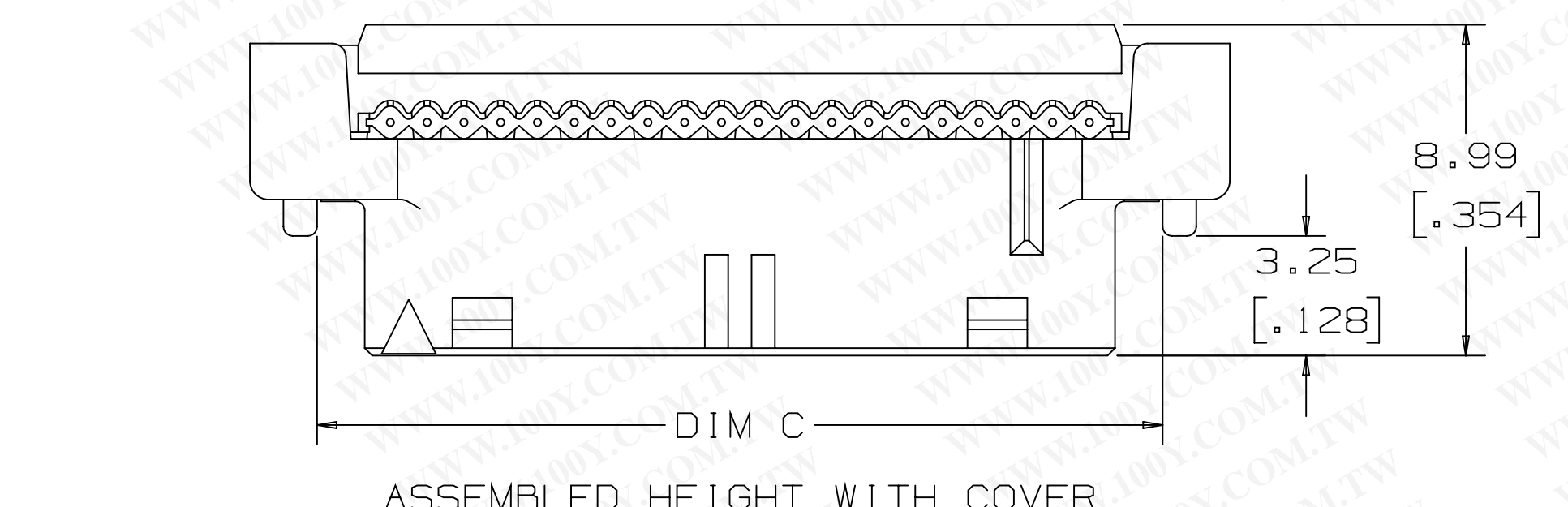
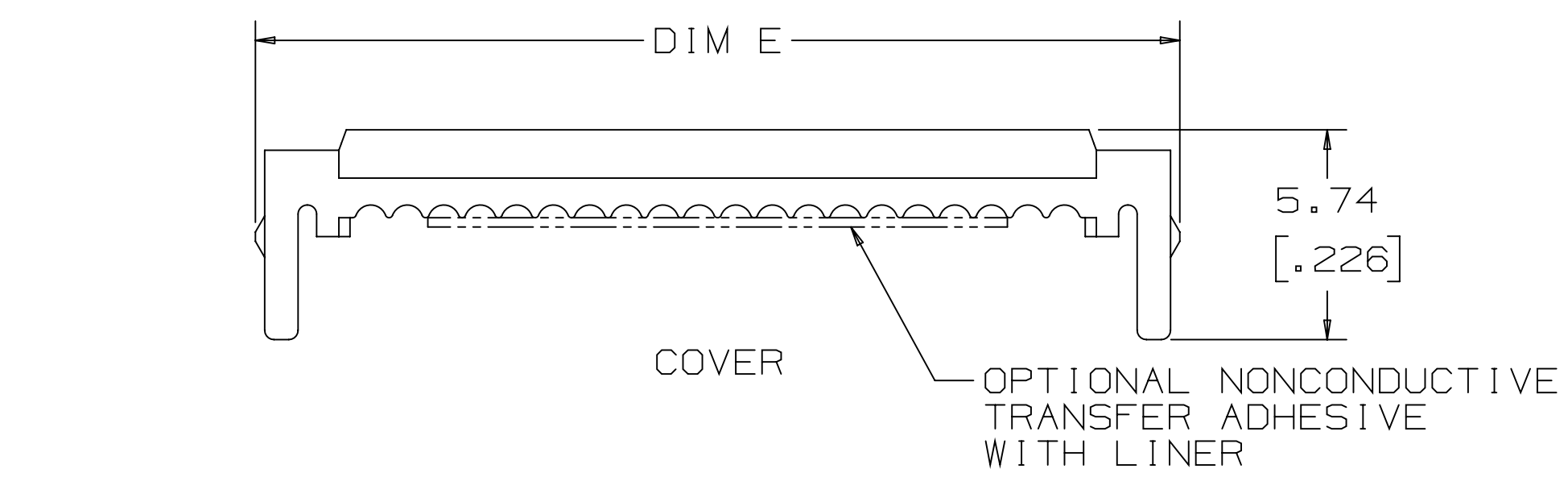
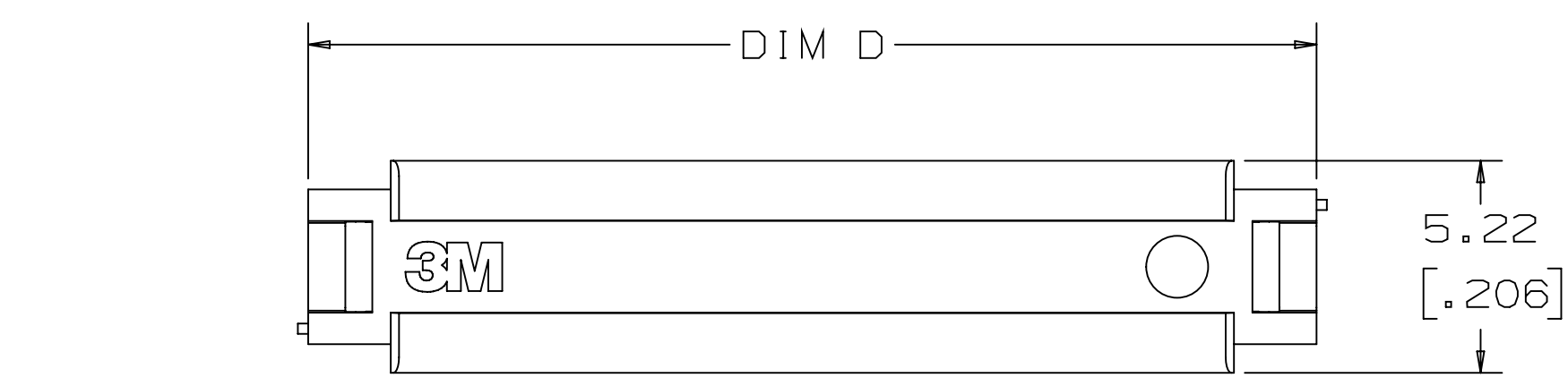
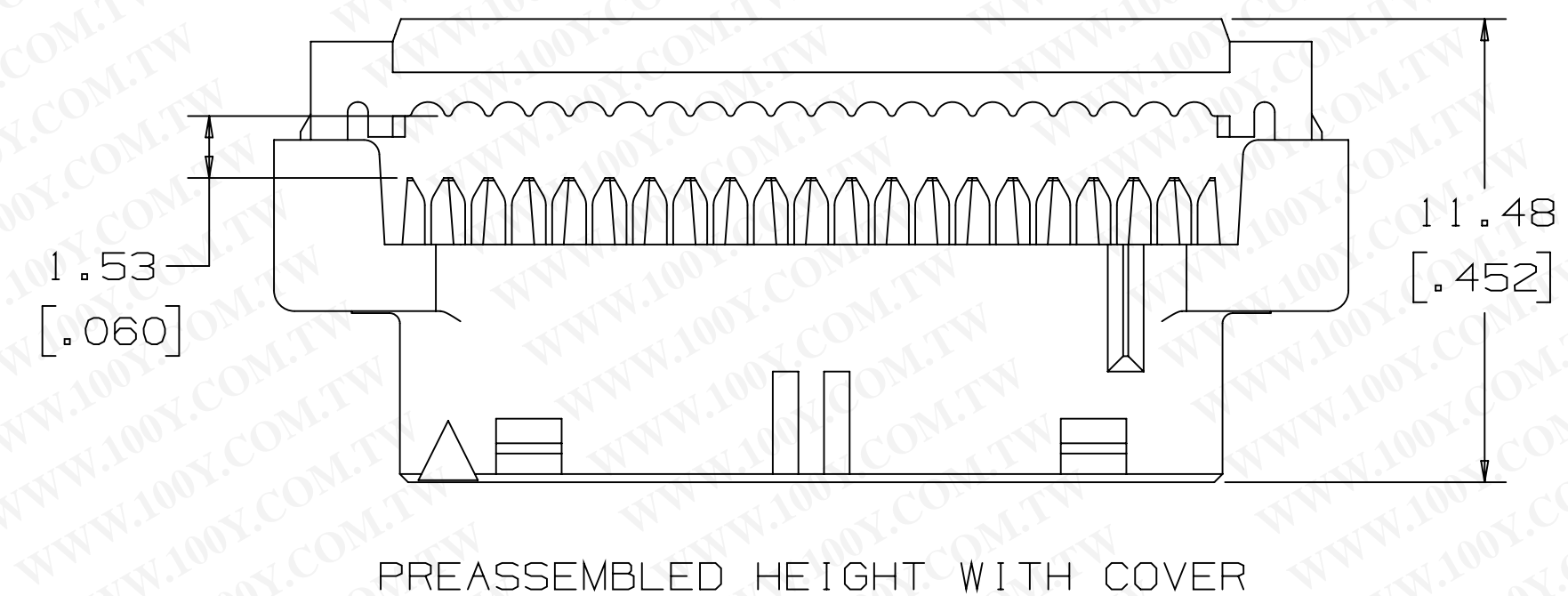
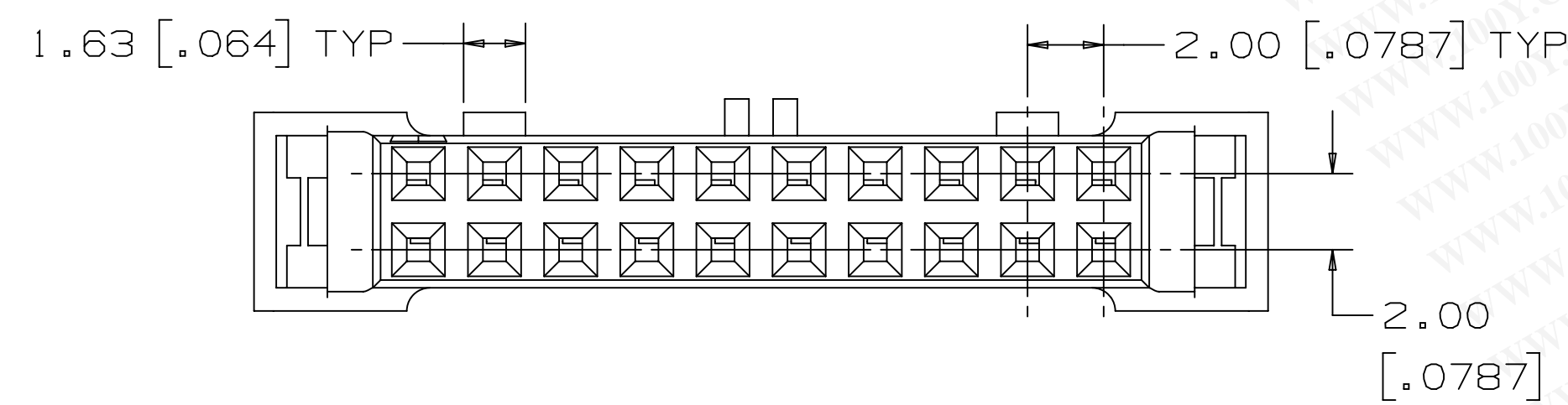


3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series



勝特力材料 86-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



PERFORMANCE [7][8]	
CURRENT:	1.25 A, ALL LINES ENERGIZED 2.75 A, 6 LINES ENERGIZED 4.75 A, 1 LINE ENERGIZED
INSULATION RESISTANCE:	>1X10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VACrms AT SEA LEVEL
TEMPERATURE RATING:	-55°C TO +105°C

- NOTES
- MATERIAL:
BODY: HIGH TEMP GLASS FILLED POLYESTER, GRAY UL94V-0
CONTACTS: COPPER ALLOY
 - PLATING:
2.03-3.81 μm [80-150 μin] NICKEL UNDERPLATE
0.38 μm [15 μin] OR 0.76 μm [30 μin] AVG GOLD ON WIPING AREA.
 - RIBBON CABLE:
RECOMMENDED: 3M™ 3625 (28 AWG, 7 STRAND).
 - APPLICATION TOOLS:
3460 PRESS (OR EQUIVALENT) 3443-119 LOCATOR PLATE, 3442-9 PLATEN
SEE 3M INSTRUCTION SHEET 78-9101-2810-3.
 - MATES WITH 3M™ HEADERS 159 SERIES (REFERENCE 3M DRAWING 78-5100-2359-7). (0.51 mm [0.020 in] SQ, CROWNED PINS).
 - SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTOR.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).
 - FOR PRODUCT SPECIFICATIONS AND WARRANTY INFORMATION SEE 3M 78-5102-0078-1.
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.

METRIC [ENGLISH]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRICT/PLANT CODES		APPV	SCHMIDT	DATE JUL 23, 2010	MFG	DATE
DIVISION	DIVISION CODE	CHKD		DATE JUL 30, 2010	APPV	DATE JUL 30, 2010
DO NOT SCALE DRAWING	SCALE 6/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	INCHES .0 ± .00 .000 ± .0000 MILLIMETERS 0 ± .0 .00 ± .13 .000 ± .000		© 3M COPYRIGHT 2010 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
MAX SURFACE ROUGHNESS 125	ALL SURFACES MARKED ONLY	ANGLES ±1°		TITLE 3M RIBBON CABLE SOCKET 2 MM X 2 MM PITCH 158 SERIES		
		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-2358-9	E	
		MODEL	DET 151s YES NO SHT 1 OF 3			

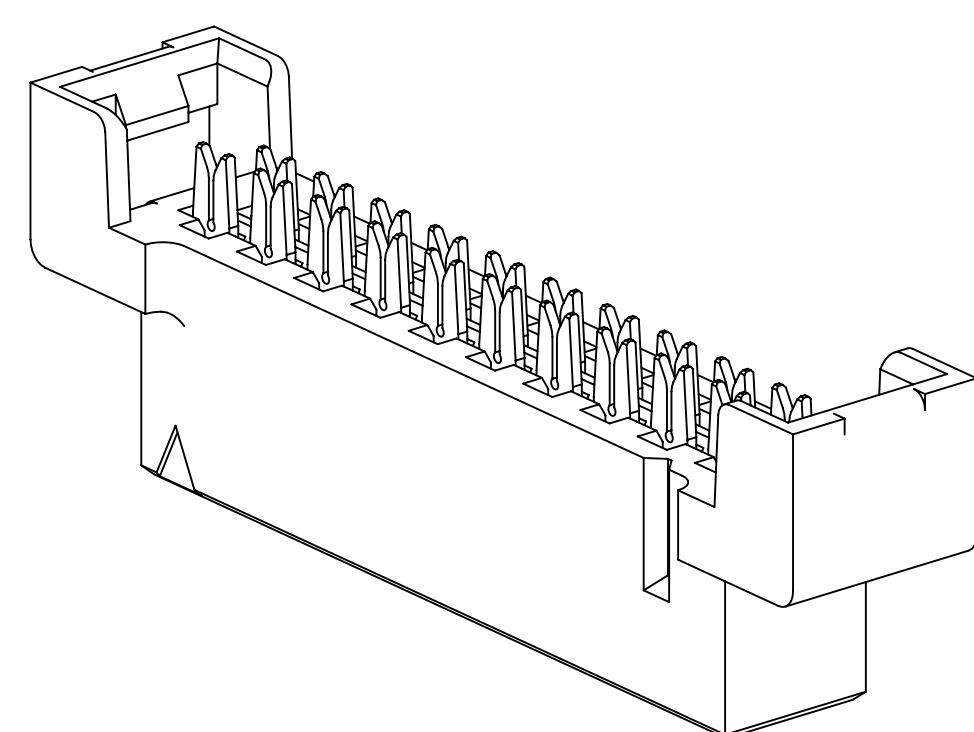
78-5100-2358-9 DRAWING NUMBER

REVISION

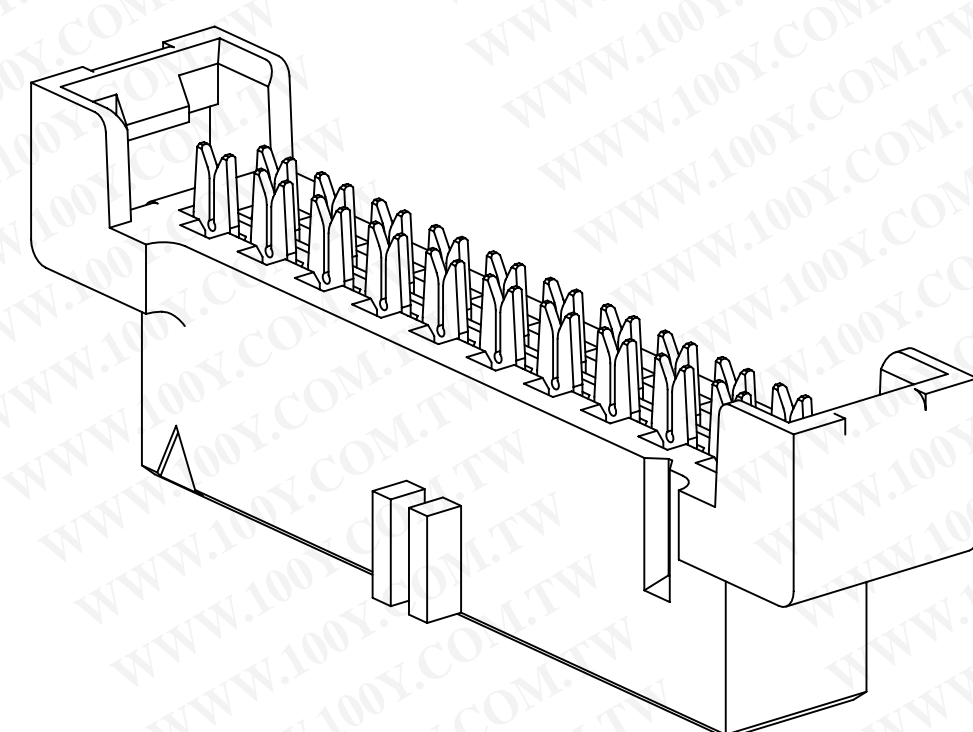
A

3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series

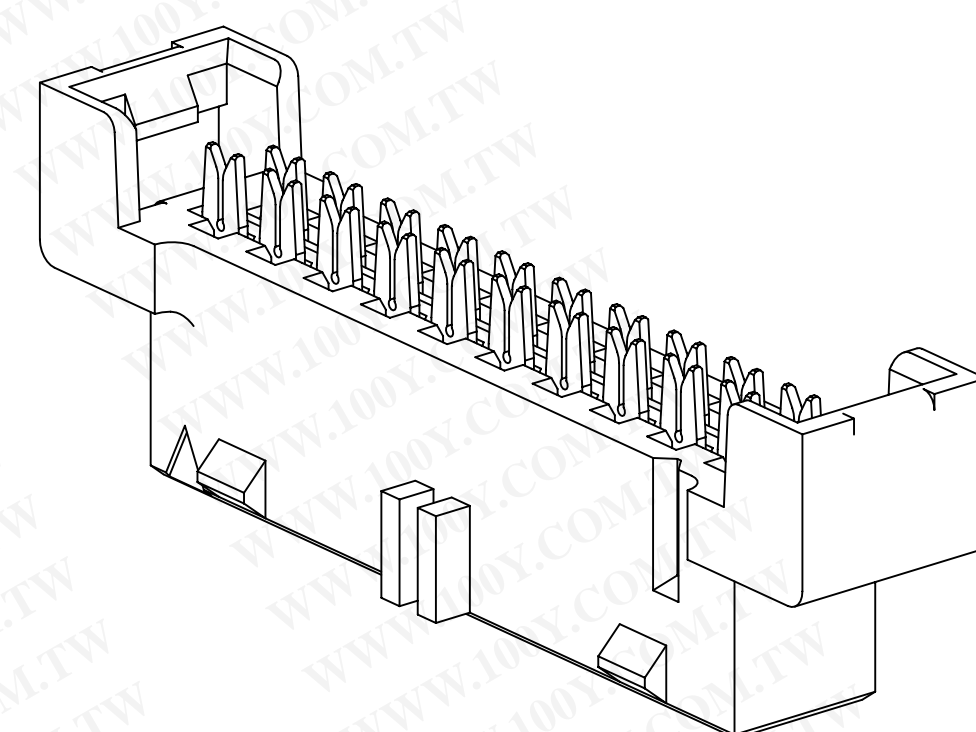
NUMBER OF POSITIONS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
6	6.39 [.252]	12.64 [.497]	8.98 [.354]	10.81 [.426]	11.32 [.446]	12.64 [.497]	N/A
8	8.39 [.330]	14.64 [.576]	10.98 [.432]	12.81 [.504]	13.32 [.524]	14.64 [.576]	N/A
10	10.39 [.409]	16.64 [.655]	12.98 [.511]	14.81 [.583]	15.32 [.603]	16.64 [.655]	N/A
12	12.39 [.488]	18.64 [.734]	14.98 [.590]	16.81 [.662]	17.32 [.682]	18.64 [.734]	N/A
14	14.39 [.567]	20.64 [.812]	16.98 [.669]	18.81 [.741]	19.32 [.761]	20.64 [.812]	8.00 [.315]
16	16.39 [.645]	22.64 [.891]	18.98 [.747]	20.81 [.819]	21.32 [.839]	22.64 [.891]	10.00 [.394]
20	20.39 [.803]	26.64 [1.049]	22.98 [.905]	24.81 [.977]	25.32 [.997]	26.64 [1.049]	14.00 [.551]
22	22.39 [.882]	28.64 [1.127]	24.98 [.984]	26.81 [1.056]	27.32 [1.076]	28.64 [1.127]	16.00 [.630]
24	24.39 [.960]	30.64 [1.206]	26.98 [1.062]	28.81 [1.134]	29.32 [1.154]	30.64 [1.206]	18.00 [.709]
26	26.39 [1.039]	32.64 [1.285]	28.98 [1.141]	30.81 [1.213]	31.32 [1.233]	32.64 [1.285]	20.00 [.787]
30	30.39 [1.197]	36.64 [1.442]	32.98 [1.299]	34.81 [1.371]	35.32 [1.391]	36.64 [1.442]	24.00 [.945]
34	34.39 [1.354]	40.64 [1.600]	36.98 [1.456]	38.81 [1.528]	39.32 [1.548]	40.64 [1.600]	28.00 [1.102]
40	40.39 [1.590]	46.64 [1.836]	42.98 [1.692]	44.81 [1.764]	45.32 [1.784]	46.64 [1.836]	34.00 [1.339]
44	44.39 [1.748]	50.64 [1.994]	46.98 [1.850]	48.81 [1.922]	49.32 [1.942]	50.64 [1.994]	38.00 [1.496]
50	50.39 [1.984]	56.64 [2.230]	52.98 [2.086]	54.81 [2.158]	55.32 [2.178]	56.64 [2.230]	44.00 [1.732]



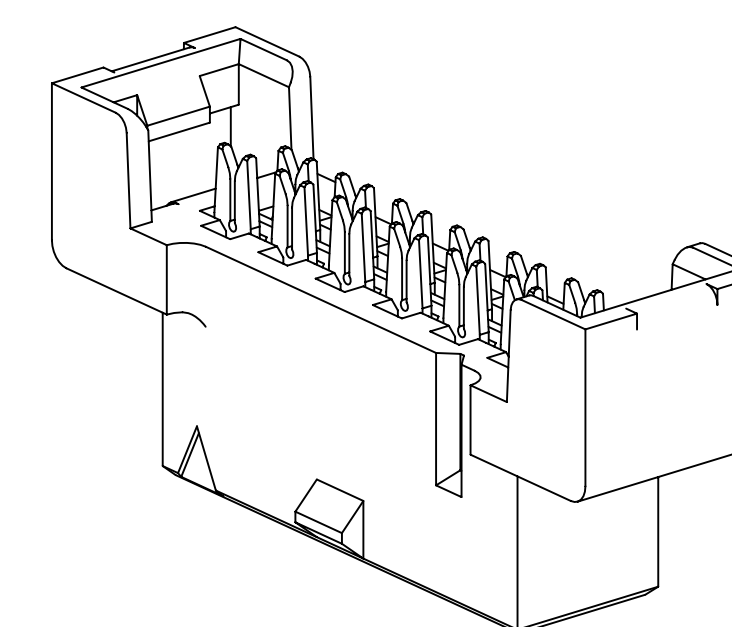
SOCKET WITHOUT OPTIONS
ALL POSITIONS



CENTER BUMP OPTION
ALL POSITIONS



CENTER BUMP WITH
FRICTION BUMP OPTION
14-50 POSITIONS



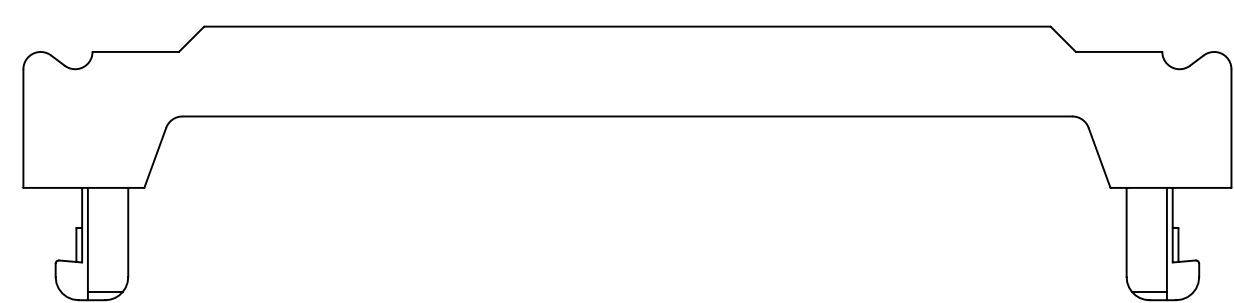
CENTER FRICTION BUMP OPTION
6-12 POSITIONS ONLY

ORDERING INFORMATION

TIER 1 - BEST
1581XX-1X00
TIER 1 = BEST
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 1 = ADHESIVE COVER
POLARIZATION/LATCHING 1 = WITH CENTER BUMP, NO FRICTION BUMPS (6-50 POS)
PLATING BLANK = 0.76 μm [30 μin] GOLD
PACKAGING 0 = TRAY

TIER 2 - BETTER
1582XX-0X20XX
TIER 2 = BETTER
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 0 = PREASSEMBLED COVER
POLARIZATION/LATCHING 0 = NO CENTER BUMP, NO FRICTION BUMPS (6-50 POS)
1 = WITH CENTER BUMP, NO FRICTION BUMPS, (6-50 POS)
2 = WITH CENTER BUMP AND DUAL FRICTION BUMPS (14-50 POS ONLY)
3 = WITH CENTRAL FRICTION BUMP, NO CENTER BUMP (6-12 POS ONLY)
PLATING BLANK = 0.76 μm [30 μin] GOLD
15 = 0.38 μm [15 μin] GOLD
PACKAGING 2 = SWORDS

TIER 3 - VALUE
1583XX-211015
TIER 3 = VALUE
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 2 = SEPARATE COVER
POLARIZATION/LATCHING 1 = WITH CENTER BUMP, NO FRICTION BUMPS (6-50 POS)
PLATING 15 = 0.38 μm [15 μin] GOLD
PACKAGING 1 = BULK PACK



STRAIN RELIEF
3448-158XX
POSITION COUNT
(SEE TABLE)

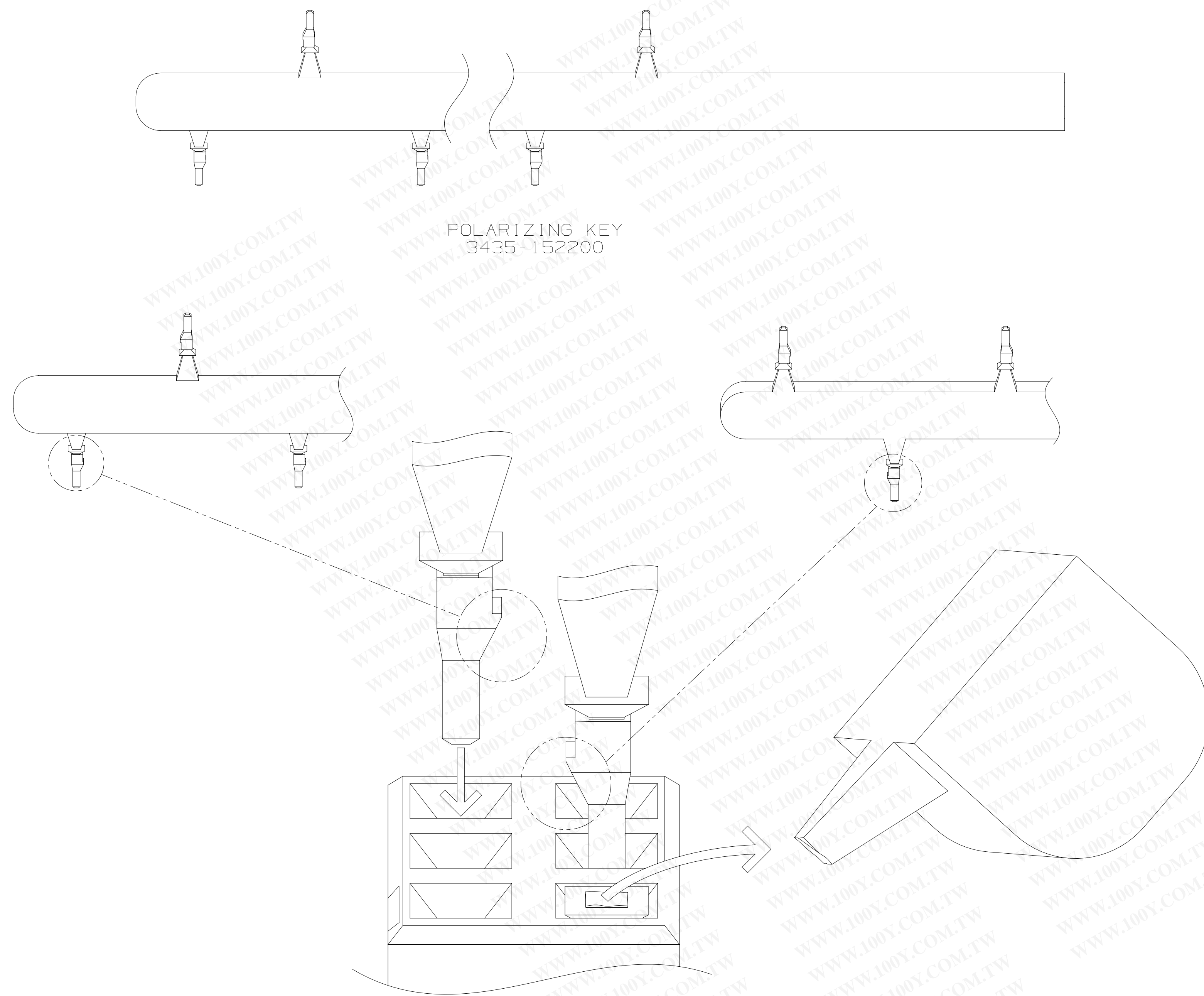
METRIC [ENGLISH]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DIVISION		DIVISION CODE		DATE		
DO NOT SCALE DRAWING		SCALE 6/1		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		
INTERPRET PER ASME Y14.5 - 1994		0 ±		0 ±		
MAX SURFACE ROUGHNESS		0.00 ± .13		0.00 ±		
125 □ ALL SURFACES		0.000 ±		0.000 ±		
☒ MARKED ONLY		ANGLES ±1°		ANGLES ±1°		
CAGE NUMBER		SIZE		DRAWING NO.		REV.
D78-5100-2358-9		E		D78-5100-2358-9		E
MODEL		DET		YES		NO
		SHT		2		OF 3

78-5100-2358-9
DRAWING NUMBER

A

3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series



POLARIZING KEY
3435-152200

POLARIZING KEY ORIENTATION AND INSTALLATION

RIBBON CABLE SOCKET ACCESSORIES

METRIC (ENGLISH)

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRICT CODES		DRFT		DATE	MFG	DATE
		L. SCHMIDT		JUL 23, 2010		
DIVISION	DIVISION CODE	CHKD		DATE	APPV	DATE
					S. FELDMAN	JUL 30, 2010
DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2010 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	INCHES .00 ± .000 ± .0000 ±		TITLE 3M RIBBON CABLE SOCKET 2 MM x 2 MM PITCH 158 SERIES		
MAX SURFACE ROUGHNESS 125	<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY	MILLIMETERS 0 ± .00 ± .000 ±		CAGE NUMBER	SIZE	DRAWING NO.
		ANGLES ±1°		D		78-5100-2358-9
		MODEL		REV.		E
				DET	ISTS	YES NO SHT 3 OF 3

E	41488	JUN 21, 2012	LDS	SAN
		REVISED CURRENT RATING IN PERFORMANCE TABLE		
D	37252	NOV 04, 2011	LDS	SF
		REVISED ORDERING INFORMATION REV C HISTORY REMOVED		
A	30741	OCT 28, 2010	LDS	SF
		INITIAL RELEASE		