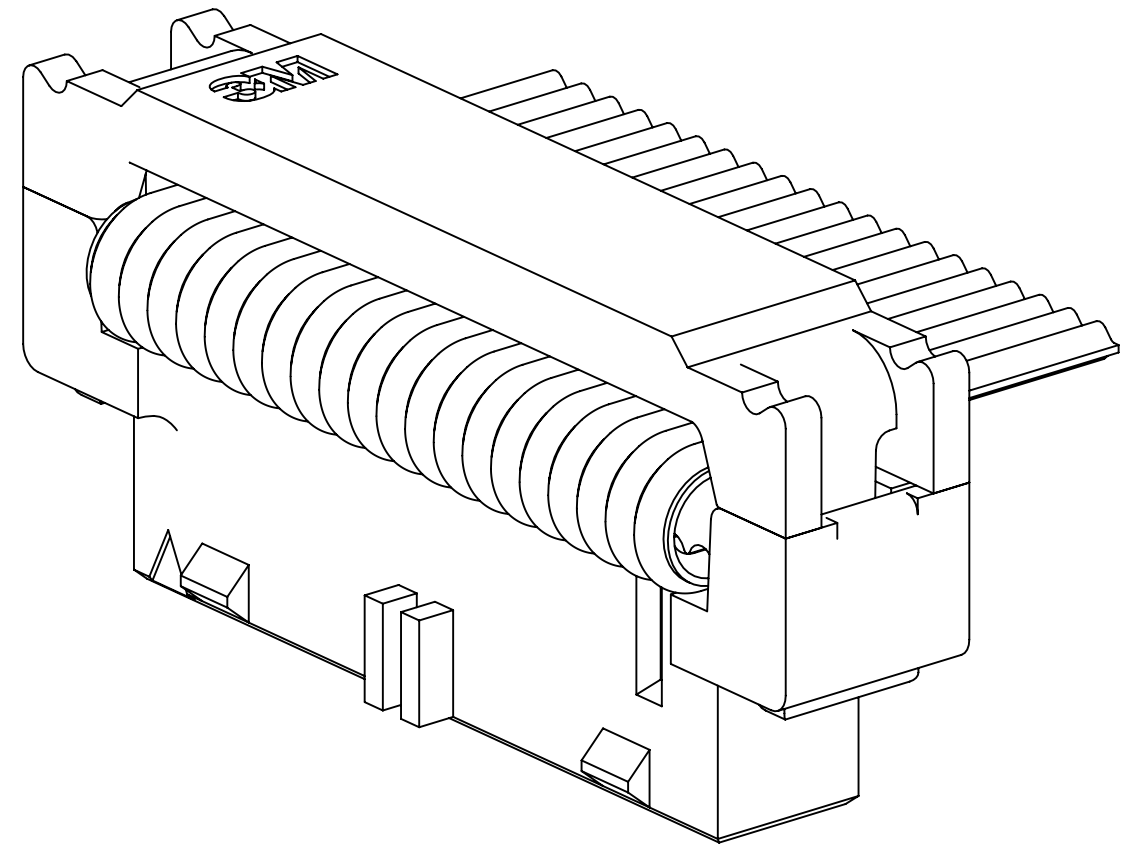
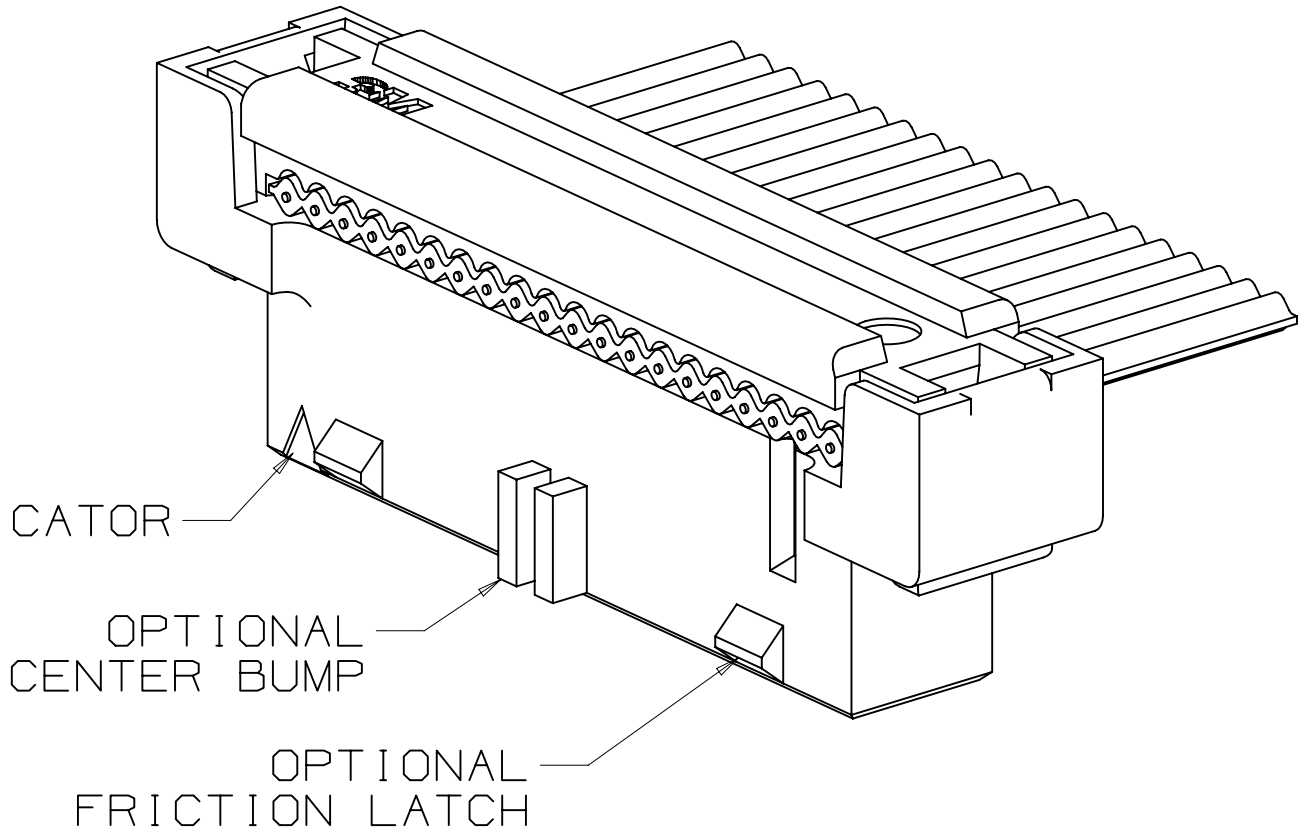
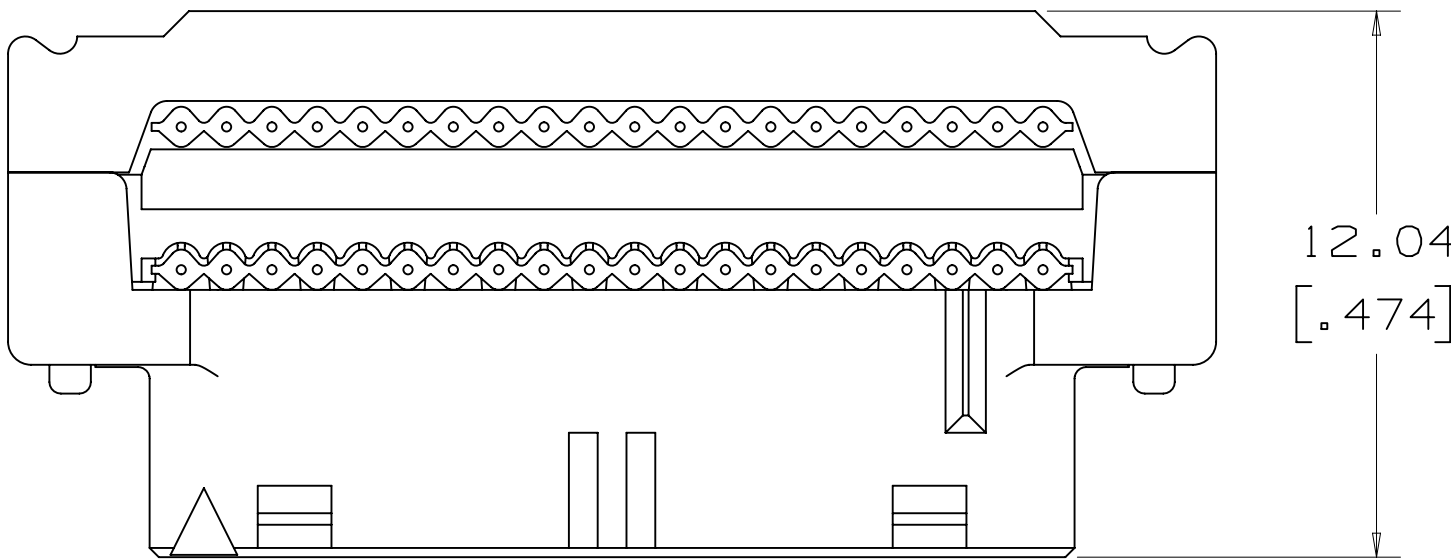
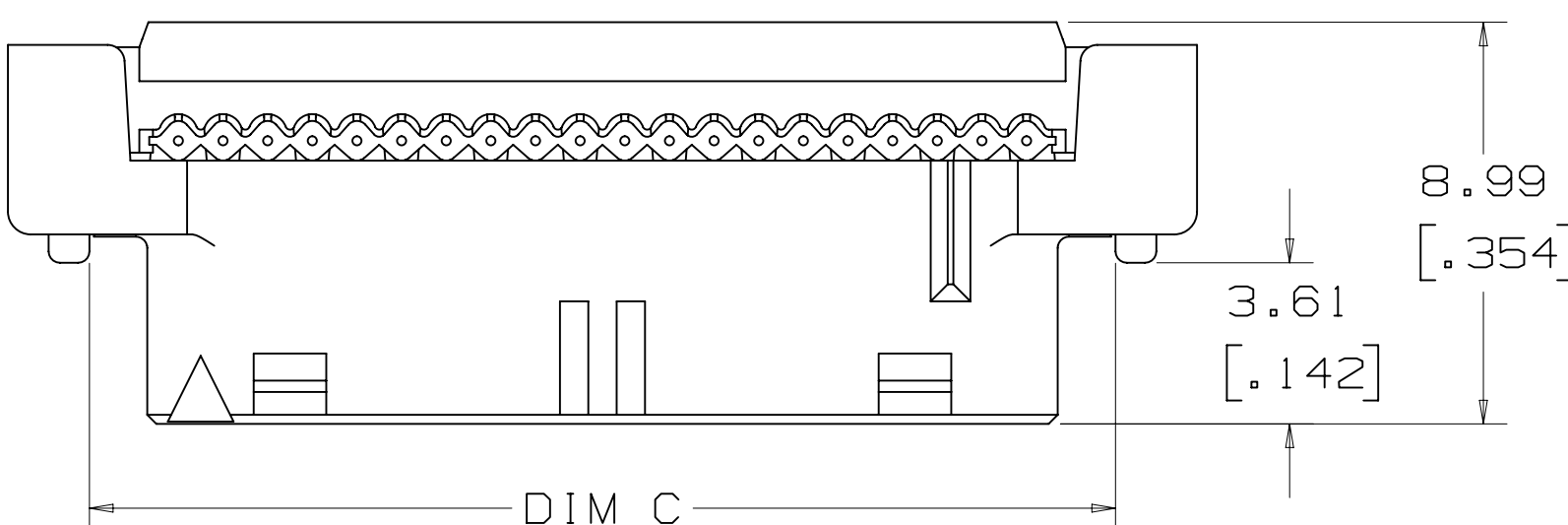
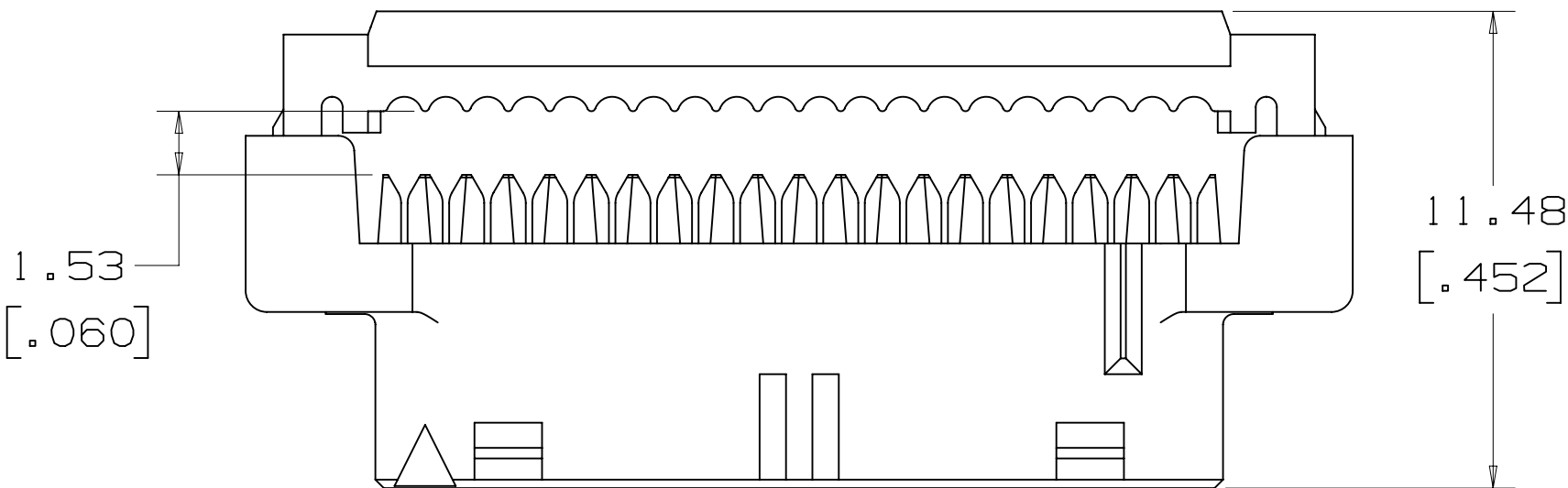
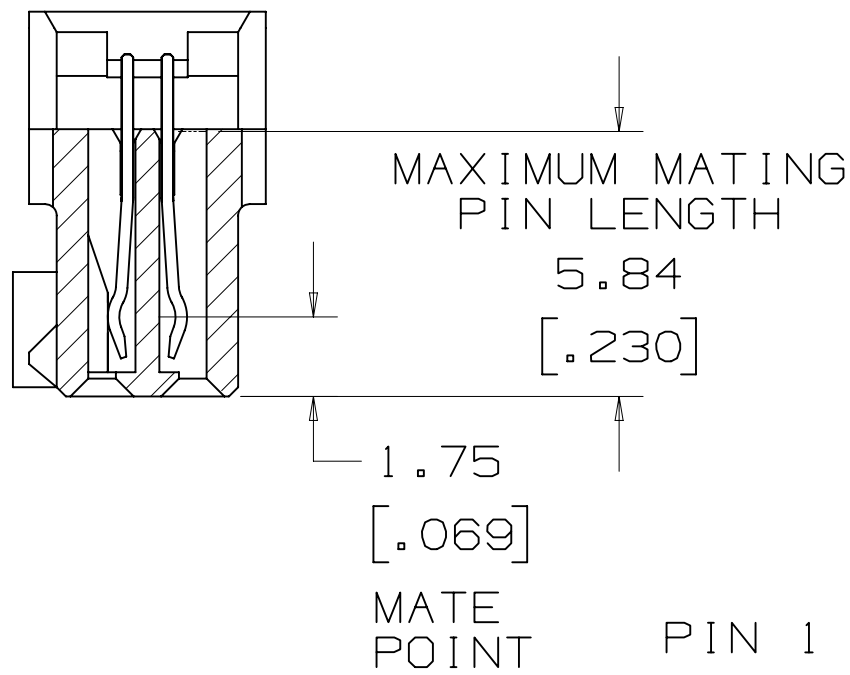
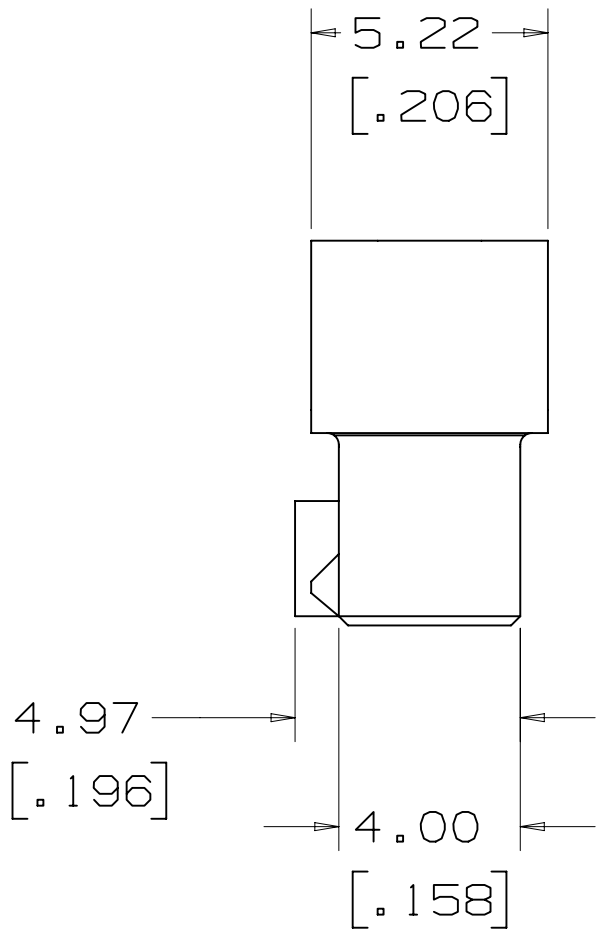
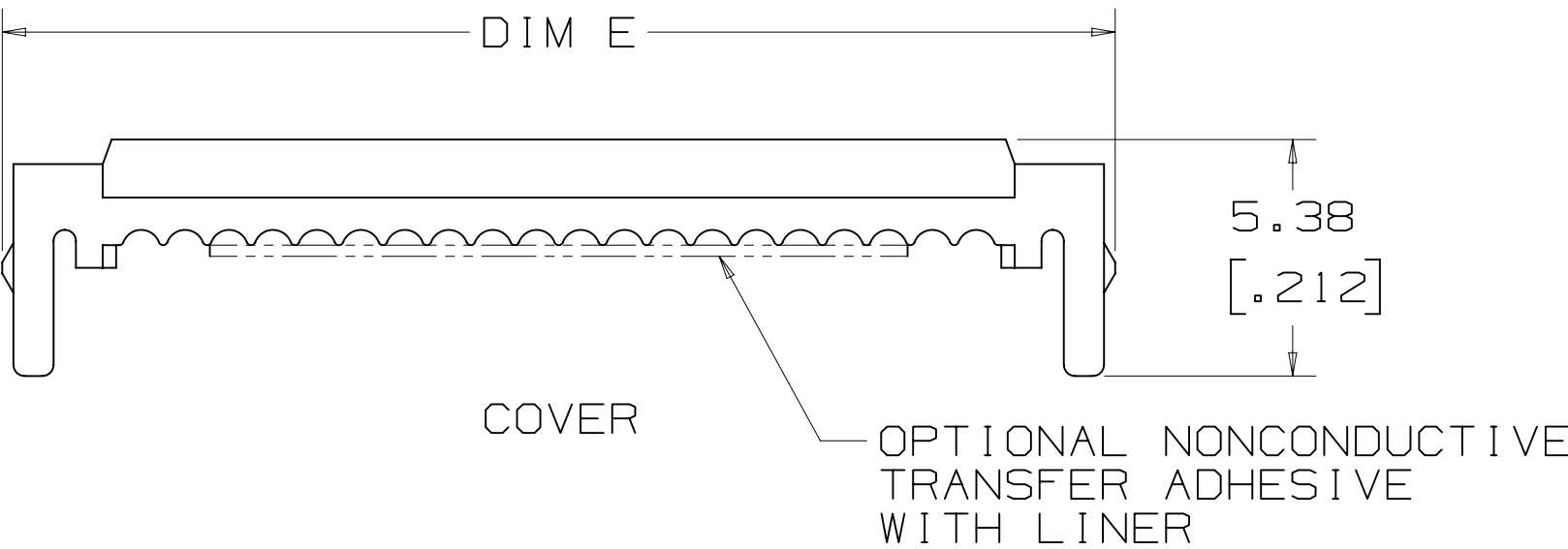
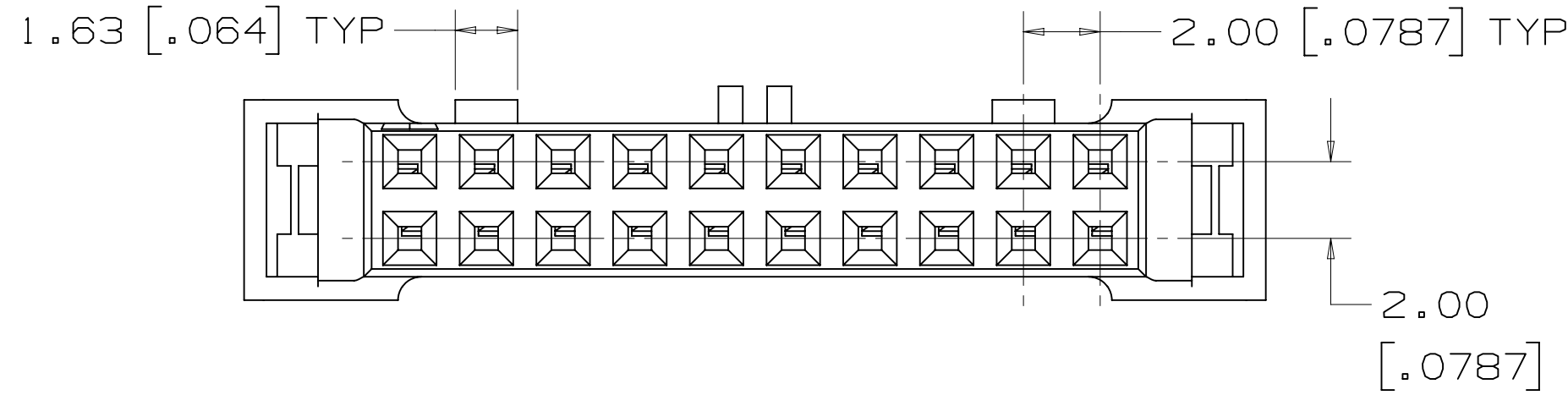
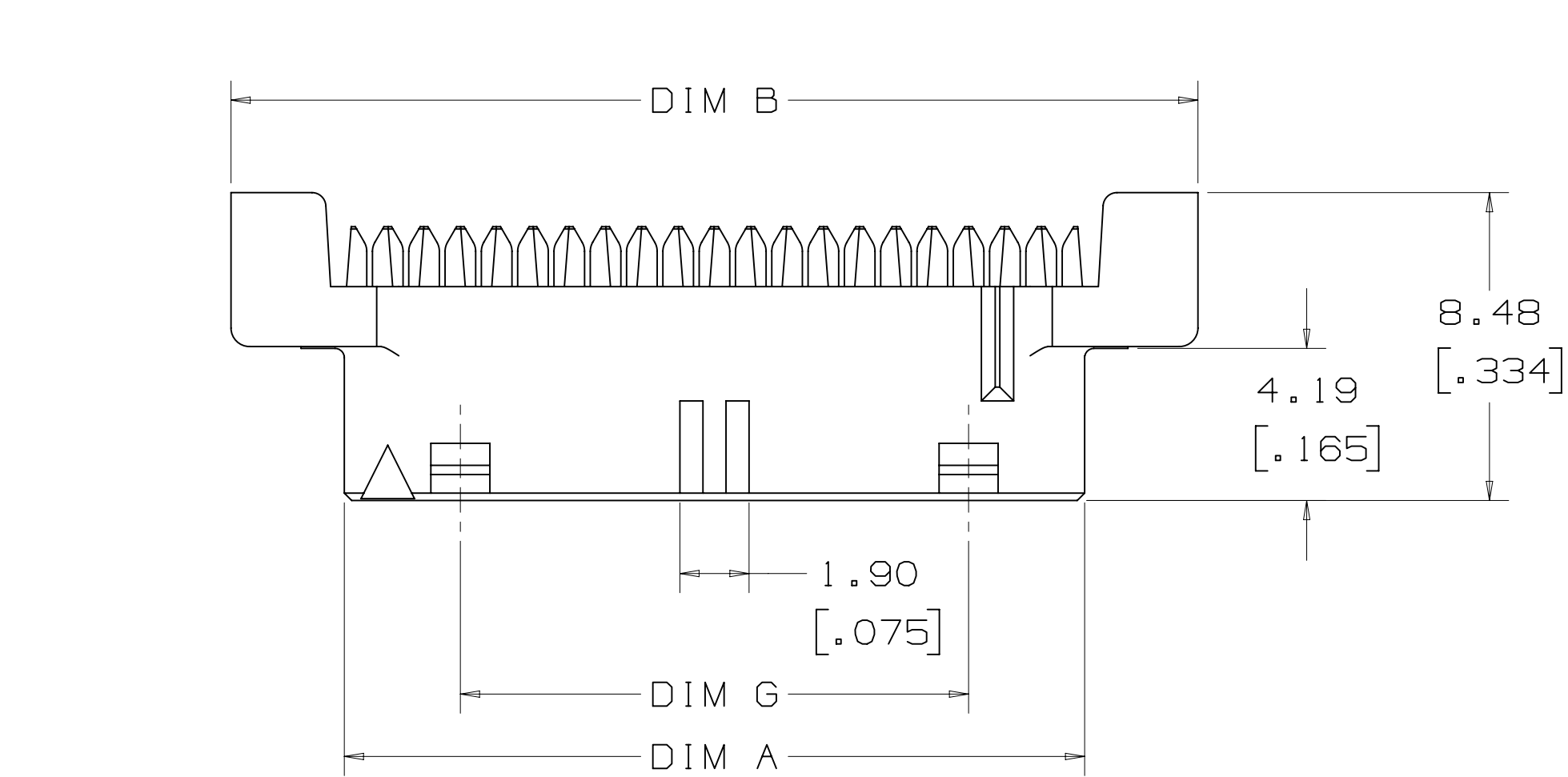


3M™ Ribbon Cable Socket 2 mm X 2 mm Pitch 158 Series



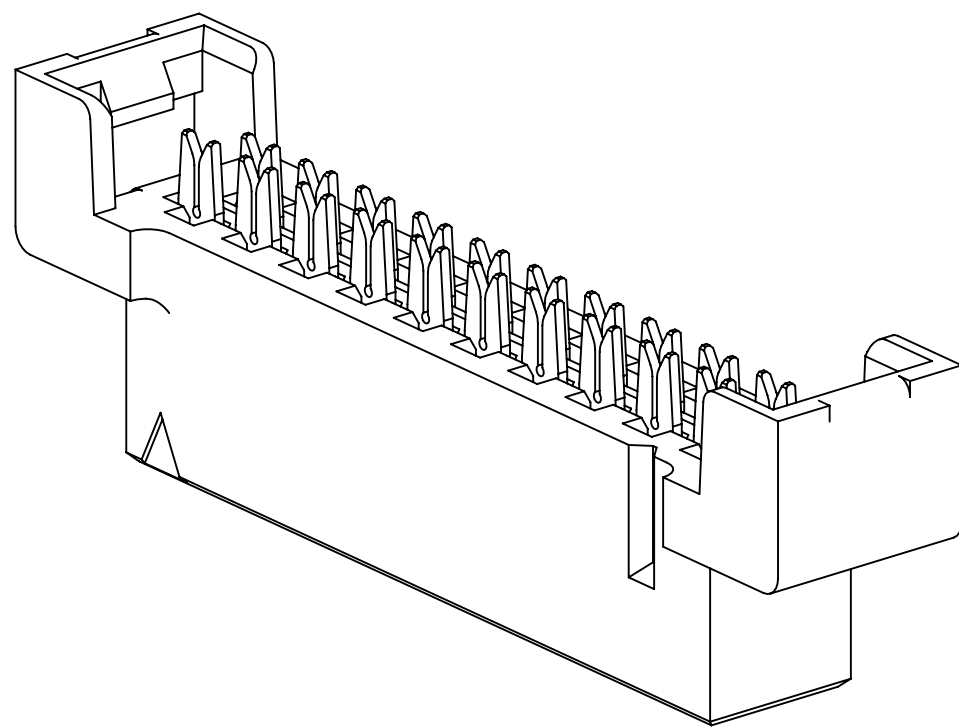
PERFORMANCE [7][8]	
CURRENT:	1A, 6 LINES ENERGIZED
INSULATION RESISTANCE:	>1X10 ⁹ OHMS AT 500 VDC
WITHSTANDING VOLTAGE:	500 VACrms AT SEA LEVEL
TEMPERATURE RATING:	-55°C TO +105°C

- NOTES
- MATERIAL:
BODY: HIGH TEMP GLASS
FILLED POLYESTER,
GRAY UL94V-0
CONTACTS: COPPER ALLOY
 - PLATING:
2.03-3.81 μ m [80-150 μ in]
NICKEL UNDERPLATE
0.38 μ m [15 μ in] OR
0.76 μ m [30 μ in] 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 [.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.

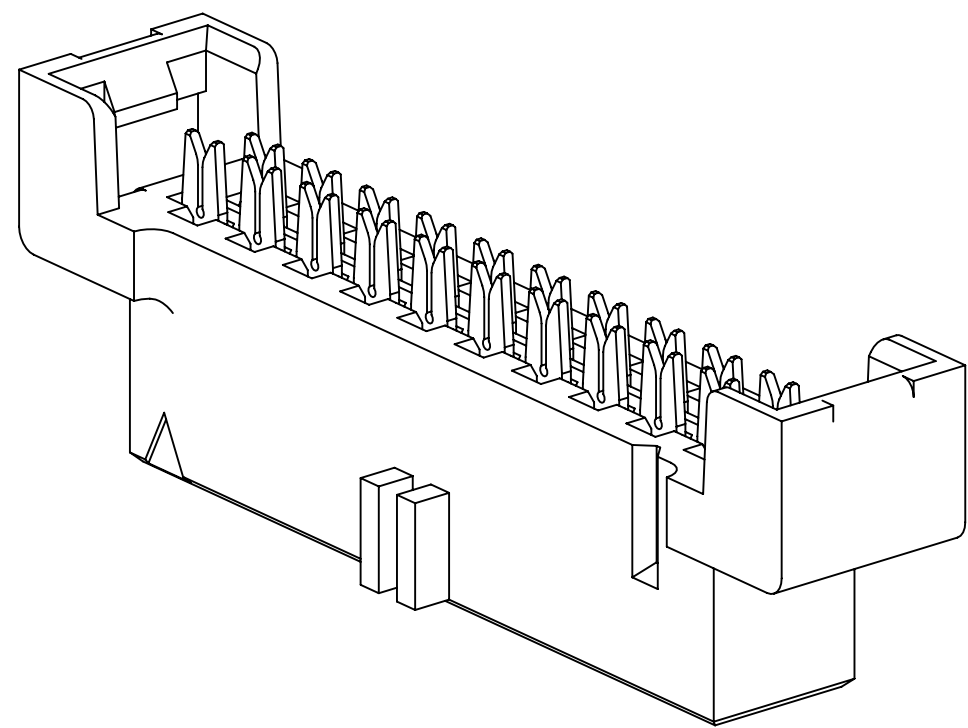
B				31126				NOV 21,2010				LDS				SF																							
								ADDED DIMENSIONS																															
								REVISED ORDERING INFORMATION																															
A				30741				OCT 28,2010				LDS				SF																							
								INITIAL RELEASE																															
DESIGN REFERENCE				NEXT ASSEMBLY				REV				ECO				ISSUE DATE AND DESCRIPTION				DRFT				CHKD															
DISTRIBUTION CODES								DRP				L. SCHMIDT				DATE				JUL 23,2010				MFG				DATE											
								CHKD								DATE								APPROV.				S. FELDMAN				DATE				JUL 30,2010			
DIVISION								DIVISION CODE																															
DO NOT SCALE DRAWING				SCALE 6 1				TOLERANCES EXCEPT AS NOTED																															
								INCHES																															
THIRD ANGLE PROJECTION				ASME Y14.5 - 1994				MILLIMETERS																															
MAX SURFACE ROUGHNESS				125				ALL SURFACES				.00 ± .13																											
				☒ MARKED ONLY				ANGLES ±1°																															

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

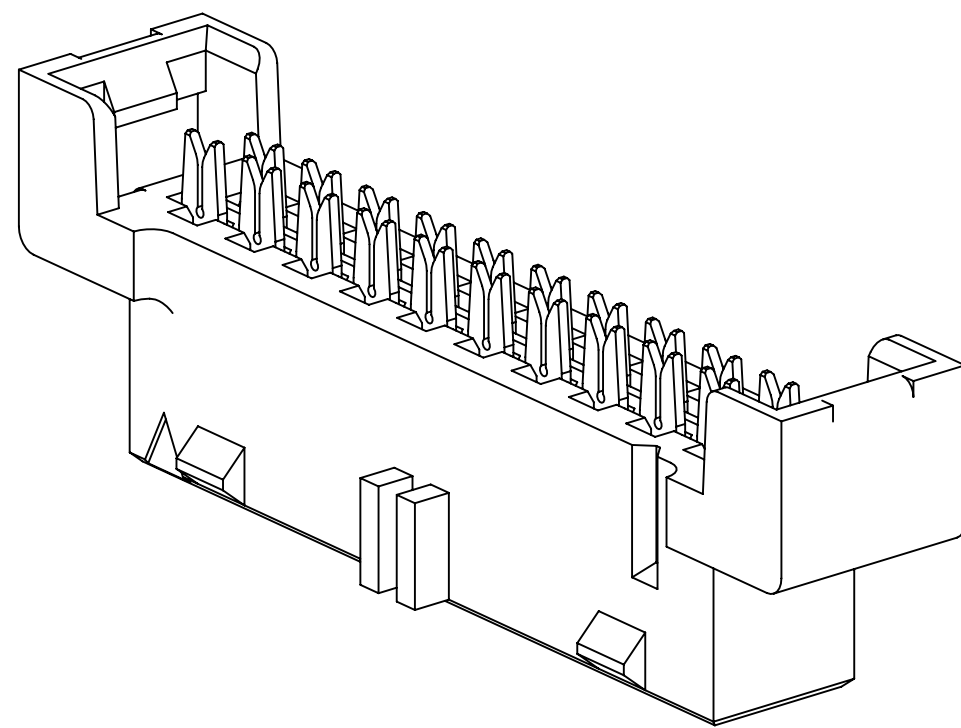
NUMBER OF POSITIONS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
6	6.39 [.252]	12.64 [.497]	8.98 [.354]	10.81 [.426]	11.32 [.446]	12.64 [.497]	N/A
8	8.39 [.330]	14.64 [.576]	10.98 [.432]	12.81 [.504]	13.32 [.524]	14.64 [.576]	N/A
10	10.39 [.409]	16.64 [.655]	12.98 [.511]	14.81 [.583]	15.32 [.603]	16.64 [.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]



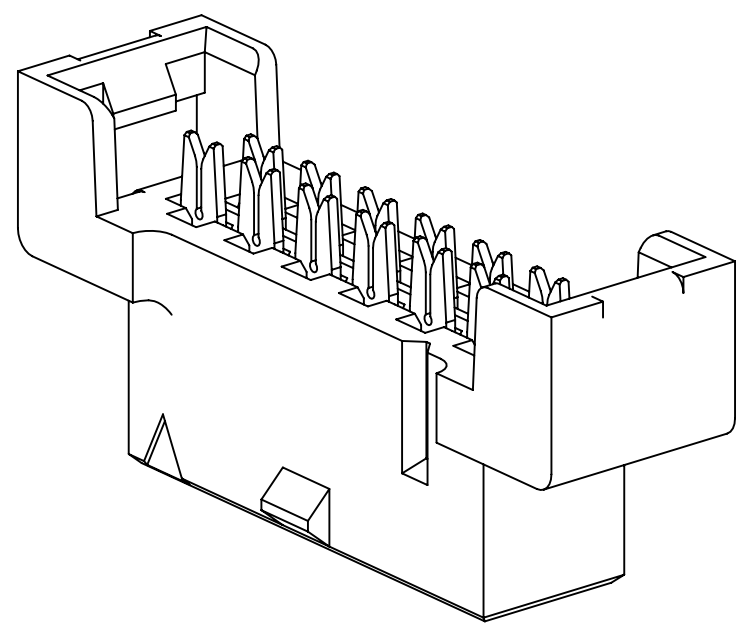
SOCKET WITHOUT OPTIONS
ALL POSITIONS



CENTER BUMP OPTION
ALL POSITIONS



CENTER BUMP WITH
FRICTION BUMP OPTION
14-50 POSITIONS



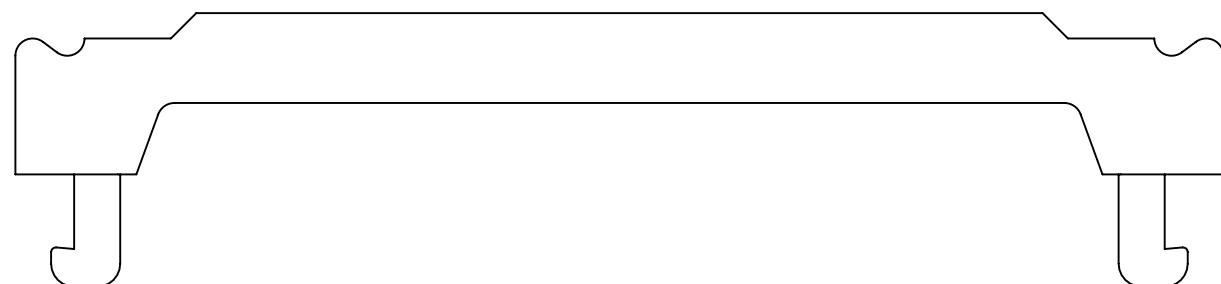
CENTER FRICTION BUMP OPTION
6-12 POSITIONS ONLY

ORDERING INFORMATION

TIER 1 - BEST
1581XX-1X00
TIER 1 = BEST
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 1 = ADHESIVE COVER
POLARIZATION/LATCHING 1 = CENTER BUMP, NO FRICTION BUMP
PLATING BLANK = 0.76 μ m [30 μ in] GOLD
PACKAGING 0 = TRAY

TIER 2 - BETTER
1582XX-0X20XX
TIER 2 = BETTER
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 0 = PREASSEMBLED COVER
POLARIZATION/LATCHING 0 = WITHOUT CENTER BUMP, 1 = CENTER BUMP, NO FRICTION BUMP, 2 = CENTER BUMP AND FRICTION BUMP
PLATING BLANK = 0.76 μ m [30 μ in] GOLD
15 = 0.38 μ m [15 μ in] GOLD
PACKAGING 2 = SWORDS

TIER 3 - VALUE
1583XX-211015
TIER 3 = VALUE
POSITION COUNT (SEE TABLE)
PART CONFIGURATION 2 = SEPARATE COVER
POLARIZATION/LATCHING 1 = CENTER BUMP, NO FRICTION BUMP
PLATING 15 = 0.38 μ m [15 μ in] 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
1581XX-1X00		L. SCHMIDT		JUL 23, 2010		
DIVISION	DIVISION CODE	CHKD		DATE	APPR	DATE
					S. FELDMAN	JUL 30, 2010
DO NOT SCALE DRAWING	SCALE 6-1	TOLERANCES EXCEPT AS NOTED	INCHES			
			MILLIMETERS			
THIRD ANGLE PROJECTION			MAX SURFACE ROUGHNESS			
			125 / ALL SURFACES			
			MARKED ONLY			
			ANGLES $\pm$ 1°			
		CAGE NUMBER		SIZE	DRAWING NO.	REV.
		D		78-5100-2358-9	B	
		MODEL		DET	LISTS	YES NO
				SHT	2	OF 2

Mouser Electronics

Authorized Distributor

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[3M:](#)

[158208-0320](#) [158210-0320](#) [158106-1100](#) [158108-1100](#) [158110-1100](#) [158112-1100](#) [158114-1100](#) [158116-1100](#)
[158120-1100](#) [158122-1100](#) [158124-1100](#) [158126-1100](#) [158130-1100](#) [158134-1100](#) [158140-1100](#) [158144-1100](#)
[158150-1100](#) [158206-002015](#) [158206-0120](#) [158206-012015](#) [158208-0120](#) [158208-012015](#) [158210-0120](#) [158210-](#)
[012015](#) [158212-0120](#) [158212-012015](#) [158214-0120](#) [158214-012015](#) [158216-0120](#) [158216-012015](#) [158220-0120](#)
[158220-012015](#) [158222-0120](#) [158222-012015](#) [158224-0120](#) [158224-012015](#) [158226-0120](#) [158226-012015](#)
[158230-0120](#) [158230-012015](#) [158234-0120](#) [158234-012015](#) [158240-0120](#) [158240-012015](#) [158244-0120](#) [158244-](#)
[012015](#) [158250-0120](#) [158250-012015](#) [158306-211015](#) [158308-211015](#) [158310-211015](#) [158312-211015](#) [158314-](#)
[211015](#) [158316-211015](#) [158320-211015](#) [158322-211015](#) [158324-211015](#) [158326-211015](#) [158330-211015](#) [158334-](#)
[211015](#) [158340-211015](#) [158344-211015](#) [158350-211015](#) [3448-15808](#) [3448-15810](#) [3448-15820](#) [3448-15826](#) [3448-](#)
[15834](#) [3448-15850](#) [158216-0220](#) [158206-0320](#) [158224-0220](#) [158244-022015](#)