

5767042-3 Product Details



5767042-3

TE Internal Number: 5767042-3



.025 [0.64] Centerline Matched Impedance Connector (MICTOR)

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- MICTOR Product Line
- Board-to-Board
- Board-to-Board Configuration = Mezzanine
- Connector
- Connector Assembly

Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, .738\[18.75\] VERTICAL, .025\[0.64\] CENT...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [MICTOR Interconnection System](#) (PDF, English)
- [Fine Pitch Stacking Connectors - 0.635mm MICTOR Conn...](#) (PDF, English)

Product Specifications:

- [Surface Mount Matched Impedance Connector](#) (PDF, English)

Application Specifications:

- [MICTOR Vertical Connectors for Surface Mount Techno...](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: [\(CAD Format & Compression Information\)](#)

- [2D Drawing](#) (DXF, Version A1)
- [3D Model](#) (IGES, Version A1)
- [3D Model](#) (STEP, Version A1)

Additional Information:

- [Product Line Information](#)
- [High Speed MICTOR Cable Assemblies](#)

Related Products:

- [Tooling](#)
- [Mating Products \(24\)](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Line = MICTOR
- Product Type = Connector
- Connector Type = Connector Assembly
- Mount Angle = Vertical
- PCB Mount Alignment = With
- PCB Mount Retention = Without
- Termination Method to PC Board = Hybrid Surface Mount
- UL File Number = E28476
- CSA File Number = 1195944

Electrical Characteristics:

- Data Rate (Gb/s) = 10
- Contact - Rated Current (A) = 11.5
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 30
- Operating Voltage (VDC) = 30

Dimensions:

- [Mated Stack Height \(Vertical\) \(mm \[in\]\)](#) = 18.75 [0.738], 27.80 [1.093]
- Length (X-Axis) (mm [in]) = 50.80 [1.9999]
- Width (Z-Axis) (mm [in]) = 8.128 [0.320]
- Profile Height (Y-Axis) (mm [in]) = 17.7546 [0.699]

Body Features:

- Connector Color = Black
- Solder Tail Orientation = Inline
- Mating Retention = Without

Contact Features:

- Tail Plating Material = Matte Tin
- Contact Design = Dual Beam
- Contact Base Material = Copper Alloy

Configuration Features:

- [Number of Positions](#) = 114
- [Number of Signal Positions](#) = 114
- [Number of Power Positions](#) = 3
- [Number of Columns](#) = 57
- [Number of Rows](#) = 2
- [Differential Signaling](#) = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant
- [UL Rating](#) = Listed
- [CSA Certified](#) = Yes

Environmental:

- [Operating Temperature \(°C \[°F\]\)](#) = -55 - +125 [-67 - +257]

Conditions for Usage:

- [Board-to-Board Configuration](#) = Mezzanine
- [Applies To](#) = Printed Circuit Board

Operation/Application:

- [Application Use](#) = Board-to-Board
- [Pick and Place Cover](#) = Without
- [Contact Transmits \(Typical Application\)](#) = Signal (Data)/Power

Packaging Features:

- [Packaging Method](#) = Tube

Other:

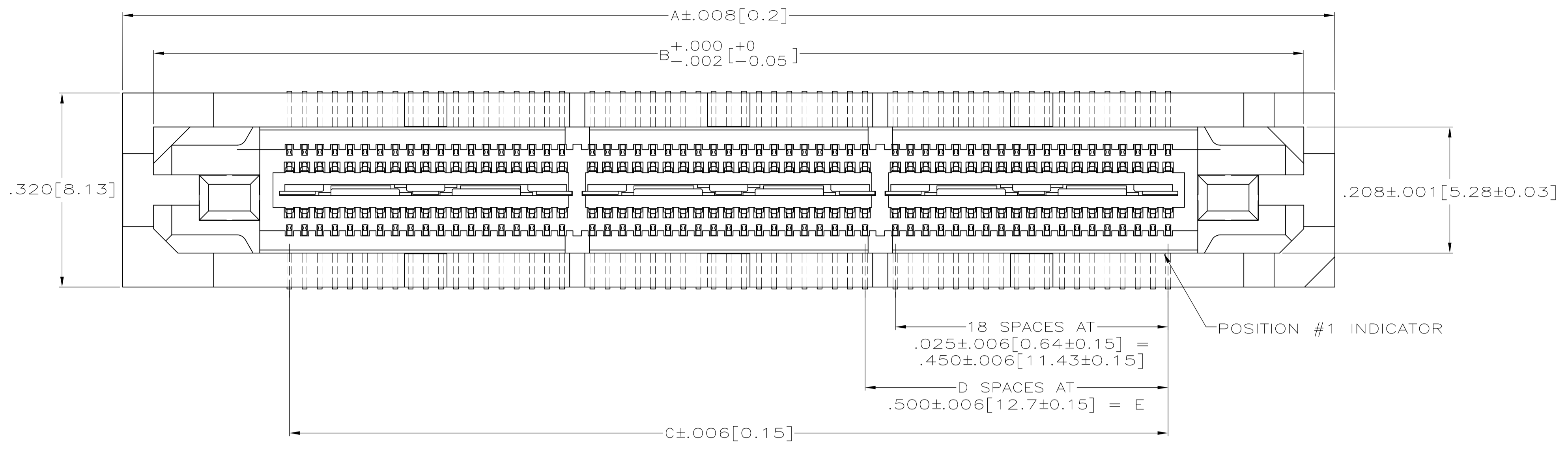
- [Brand](#) = AMP

Contact Base Material = Copper Alloy

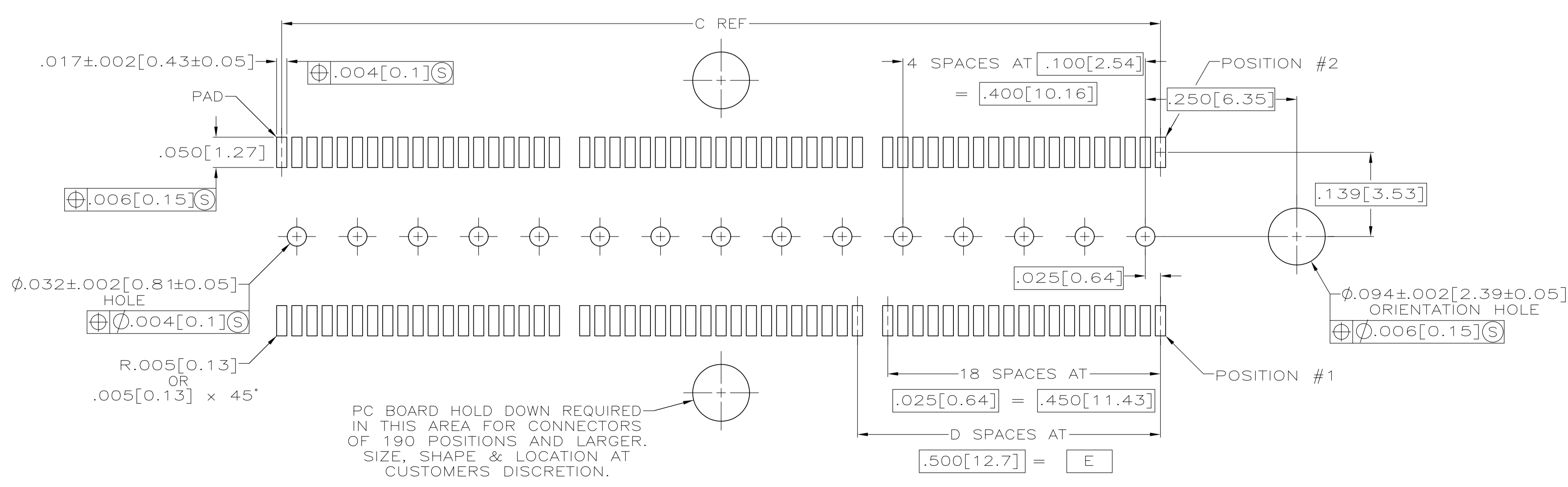
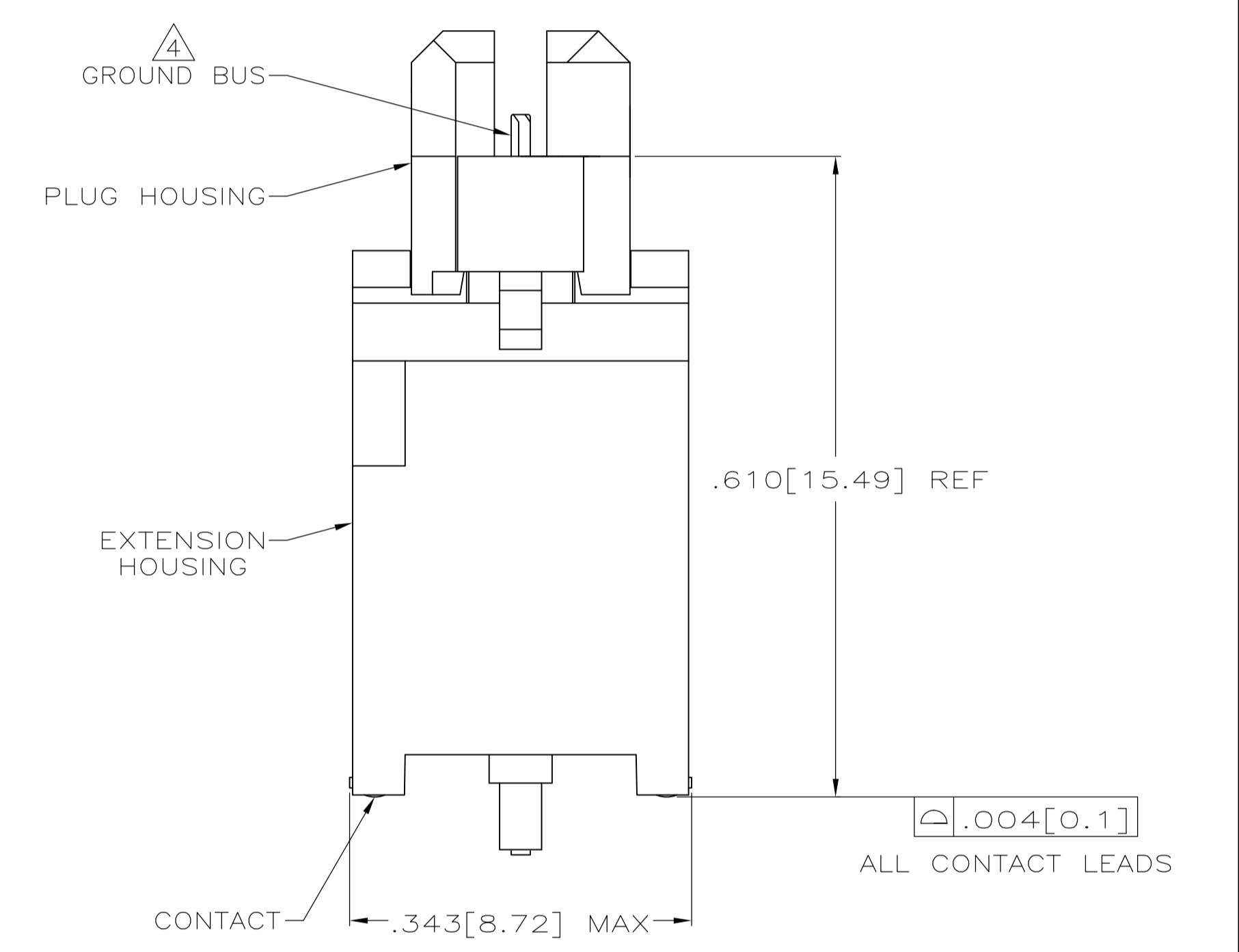
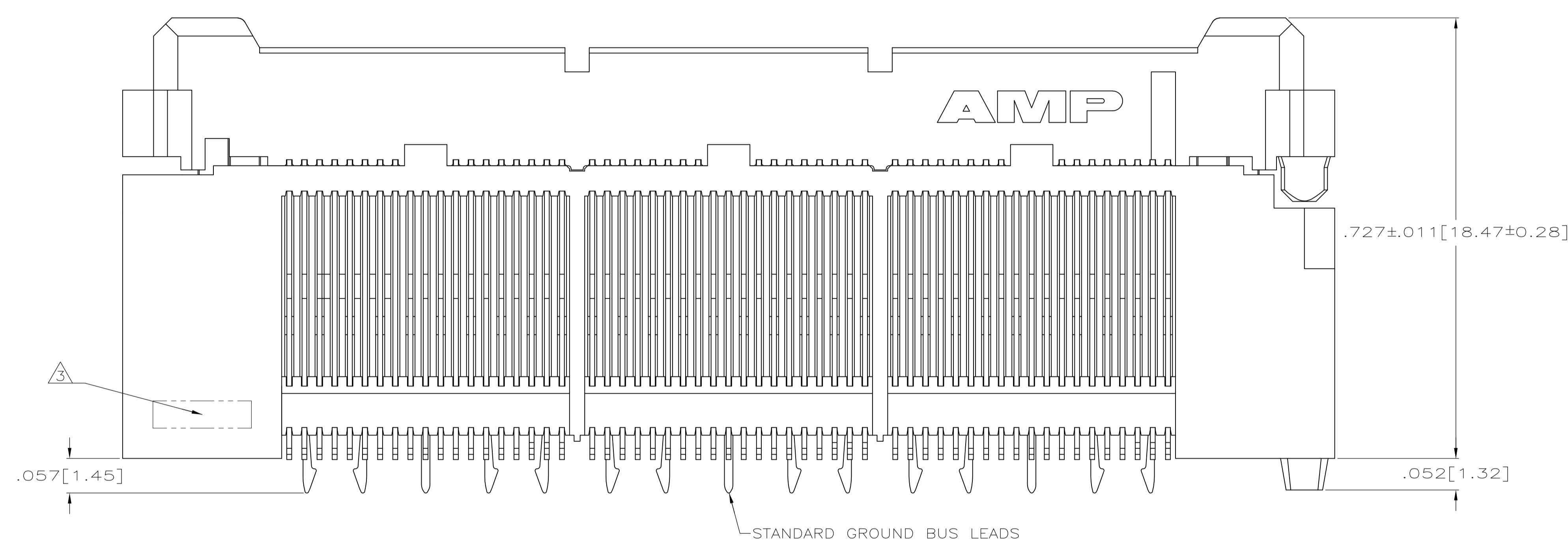
- Contact Plating, Mating Area, Material = Gold or Palladium Nickel or Performance Based
- Underplate Material = Nickel

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 0.64 [0.025]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- UL Flammability Rating = UL 94V-0



- 1 HOUSING: LIQUID CRYSTAL POLYMER, COLOR BLACK.
CONTACTS: HIGH RELIABILITY COPPER ALLOY.
GROUND BUSES: BRASS, UNS C26000
- 2 CONTACTS & GROUND BUSES: NICKEL UNDERPLATE ALL OVER, MATING SURFACE PLATED TO MEET LEVEL 1 PERFORMANCE REQUIREMENTS OF TE PRODUCT SPECIFICATION 108-1422, SOLDER TAILS PLATED MATTE TIN.
- 3 DATE CODE MARKED IN AREA INDICATED ON SAME SIDE AS POSITION #1.
- 4 ONE GROUND BUS WITH 5 TAILS PER EACH MODULE.



PC BOARD HOLD DOWN REQUIRED IN THIS AREA FOR CONNECTORS OF 190 POSITIONS AND LARGER. SIZE, SHAPE & LOCATION AT CUSTOMERS DISCRETION.

RECOMMENDED PC BOARD LAYOUT (VIEWED FROM CONNECTOR SIDE)

3.000[76.2]	6	3.450[87.63]	3.898[99]	4.000[101.6]	266	5767042-7
2.500[63.5]	5	2.950[74.93]	3.398[86.31]	3.500[88.9]	228	5767042-6
2.000[50.8]	4	2.450[62.23]	2.898[73.61]	3.000[76.2]	190	5767042-5
1.500[38.1]	3	1.950[49.53]	2.398[60.91]	2.500[63.5]	152	5767042-4
1.000[25.4]	2	1.450[36.83]	1.898[48.21]	2.000[50.8]	114	5767042-3
.500[12.7]	1	.950[24.13]	1.398[35.51]	1.500[38.1]	76	5767042-2
.000[0]	0	.450[11.43]	.898[22.81]	1.000[25.4]	38	5767042-1
E	D	C	B	A	NO OF POS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± -	3 PLC ± -	4 PLC ± .005(0.13)	ANGLES ± -
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MATERIAL: 1 FINISH: 2

THIS DRAWING IS A CONTROLLED DOCUMENT. BIN: G ATTADIA 25 OCT 04. CHK: D DIXON 25 OCT 04. APVD: D DIXON 25 OCT 04. NAME: PLUG ASSEMBLY, .738[18.75] VERTICAL, .025[0.64] CENTER LINE, MICTOR. PRODUCT SPEC: 108-1422. APPLICATION SPEC: 114-11004. WEIGHT: 114-11004. SIZE: A1. CASE CODE: 00779. DRAWING NO: 5767042. RESTRICTED TO: CUSTOMER DRAWING. SCALE: 8:1. SHEET: 1 OF 1. REV: B1.