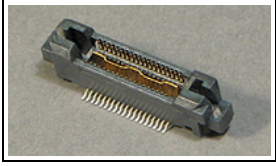


## 5767056-1 Product Details



**5767056-1**

TE Internal Number: 5767056-1  
Active

### .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, .260\[6.6\] VERTICAL, .025\[0.64\]CL, GUL...](#) (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 C)
- [3D Model](#) (IGES, Version C)
- [3D Model](#) (STEP, Version C)

#### Additional Information:

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

#### Additional Product Images:

- [Recommended PC Board Layout](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(23\)](#)

### 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 \[in\]\)](#) = 6.60 [0.260], 15.62 [0.615]
- Length (X-Axis) (mm [in]) = 25.40 [1.000]
- Width (Z-Axis) (mm [in]) = 5.2832 [0.208]
- Profile Height (Y-Axis) (mm [in]) = 6.5278 [0.257]

#### 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 = Conpper Alloy

#### Configuration Features:

- [Number of Positions](#) = 38
- [Number of Signal Positions](#) = 38
- [Number of Power Positions](#) = 1
- [Number of Columns](#) = 19
- [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:

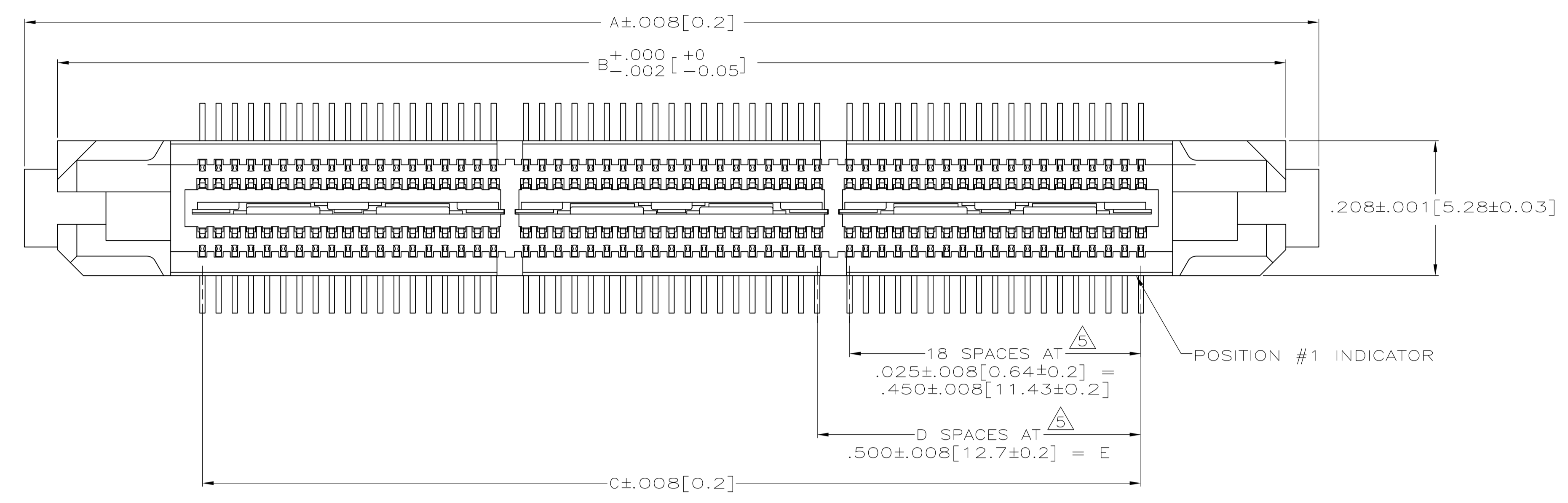
- [Application Use](#) = Board-to-Board
- [Pick and Place Cover](#) = Without
- [Contact Transmits \(Typical Application\)](#) = Signal (Data)/Power

#### Packaging Features:

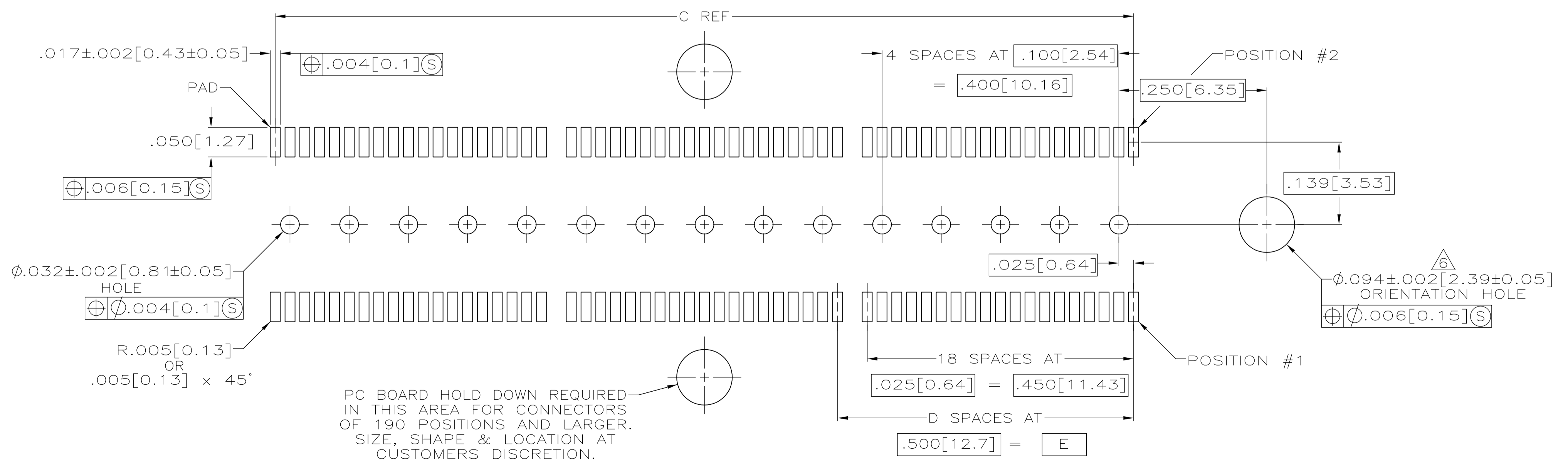
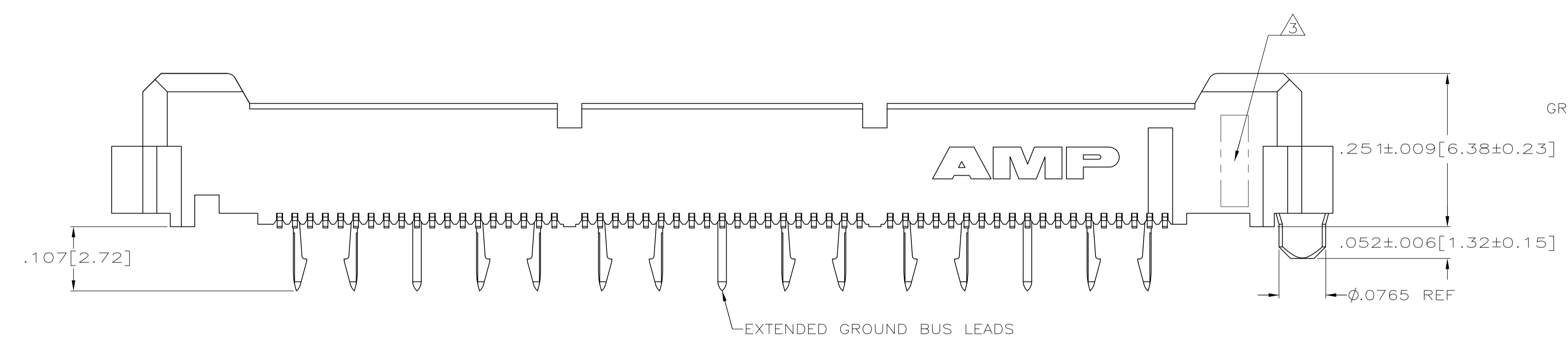
- [Packaging Method](#) = Tube

#### Other:

- [Brand](#) = AMP



- $\triangle 1$  HOUSING: LIQUID CRYSTAL POLYMER, COLOR BLACK.  
CONTACTS: HIGH RELIABILITY COPPER ALLOY.  
GROUND BUSES: BRASS, UNS C26000
- $\triangle 2$  CONTACTS & GROUND BUSES: NICKEL UNDERPLATE ALL OVER, MATING SURFACE PLATED TO MEET LEVEL 2 PERFORMANCE REQUIREMENTS OF TE PRODUCT SPECIFICATION 108-1422, SOLDER TAILS PLATED MATTE TIN.
- $\triangle 3$  DATE CODE MARKED IN AREA INDICATED ON SAME SIDE AS POSITION #1.
- $\triangle 4$  ONE GROUND BUS WITH 5 TAILS PER EACH MODULE.
- $\triangle 5$  TOLERANCE NON-ACCUMULATIVE.
- $\triangle 6$  FOR SLIP-FIT APPLICATIONS, ORIENTATION HOLE TO BE  $\phi .079 \pm .001 [2.00 \pm 0.03]$ .



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	5767056-7
2.500 [63.5]	5	2.950 [74.93]	3.398 [86.31]	3.500 [88.9]	228	5767056-6
2.000 [50.8]	4	2.450 [62.23]	2.898 [73.61]	3.000 [76.2]	190	5767056-5
1.500 [38.1]	3	1.950 [49.53]	2.398 [60.91]	2.500 [63.5]	152	5767056-4
1.000 [25.4]	2	1.450 [36.83]	1.898 [48.21]	2.000 [50.8]	114	5767056-3
.500 [12.7]	1	.950 [24.13]	1.398 [35.51]	1.500 [38.1]	76	5767056-2
.000 [0]	0	.450 [11.43]	.898 [22.81]	1.000 [25.4]	38	5767056-1
E	D	C	B	A	NO OF POS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPROVED: G. ATTADIA - DOCKS 26 OCT 04	DATE: 26 OCT 04	NAME: D. DIXON
0 PLC ± -	1 PLC ± -	TE Connectivity		
2 PLC ± -	3 PLC ± -	PLUG ASSEMBLY, .260[6.6] VERTICAL, .025[0.64]CL, GULL WING LEADS, MICTOR		
4 PLC ± -	ANGLES ± -	PRODUCT SPEC: 108-1422	SIZE: A1	SCALE: 8:1
		APPLICATION SPEC: 114-11004	CAGE CODE: 00779	SHEET: 1 of 1
		WEIGHT: -	DRAWING NO: 5767056	REV: B1
		CUSTOMER DRAWING		

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
-