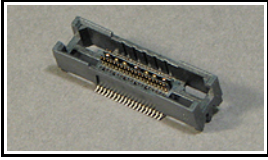


5767054-1 Product Details

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5767054-1

TE Internal Number: 5767054-1

 **Active**

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.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

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [RECEPTACLE ASSEMBLY, VERTICAL, .025\[0.64\]CL, GULL WI...](#) (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 0)
- [3D Model](#) (IGES, Version 0)
- [3D Model](#) (STEP, Version 0)

[List all Documents](#)

Additional Information:

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

Related Products:

- [Tooling](#)
- [Mating Products \(29\)](#)

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
- UL File Number = E28476
- CSA File Number = 1195944

Electrical Characteristics:

- Data Rate (Gb/s) = 10
- Contact - Rated Current (A) = 11.5

Housing Features:

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

Configuration Features:

- [Number of Positions](#) = 38
- Number of Signal Positions = 38
- Number of Power Positions = 1
- Number of Columns = 19
- Number of Rows = 2

- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 30
- Operating Voltage (VDC) = 30

Termination Features:

- Termination Method to PC Board = Hybrid Surface Mount

Dimensions:

- Mated Stack Height (Vertical) (mm [in]) = 6.60 [0.260], 9.00 [0.354], 10.92 [0.430], 12.57 [0.495], 17.96 [0.707], 18.75 [0.738], 20.00 [0.785], 22.86 [0.900]
- Length (X-Axis) (mm [in]) = 25.40 [1.000]
- Width (Z-Axis) (mm [in]) = 6.90 [0.272]
- Profile Height (Y-Axis) (mm [in]) = 6.096 [0.240]

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

- 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

Corporate Information

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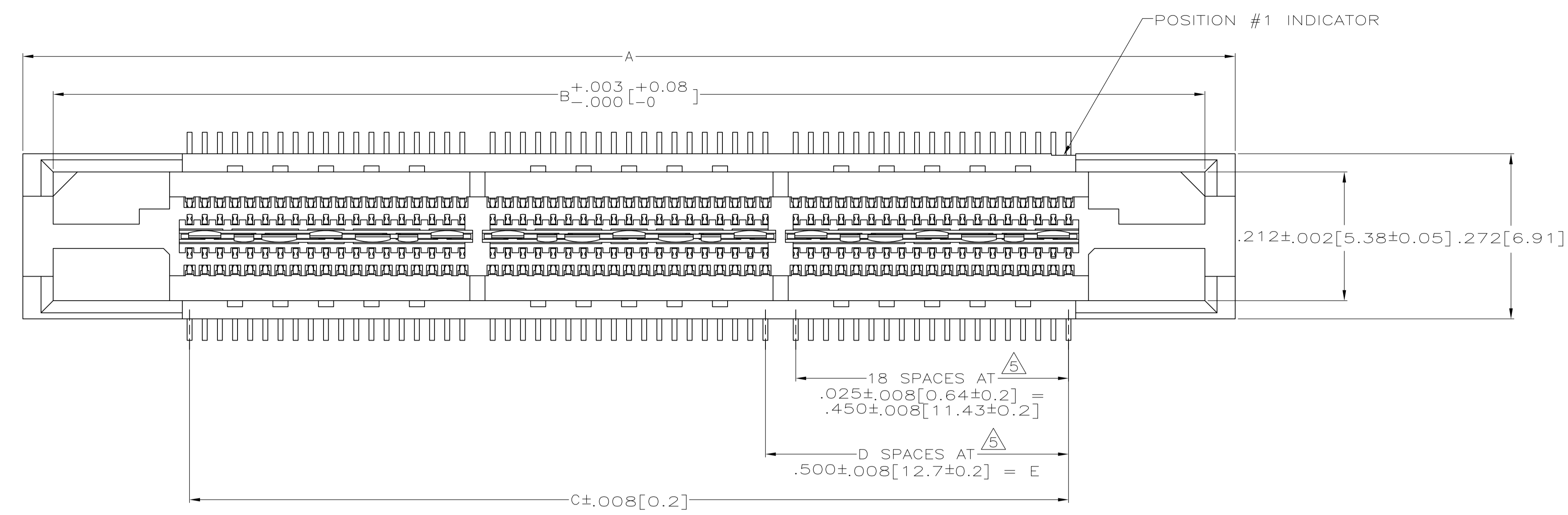
- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

Customer Support

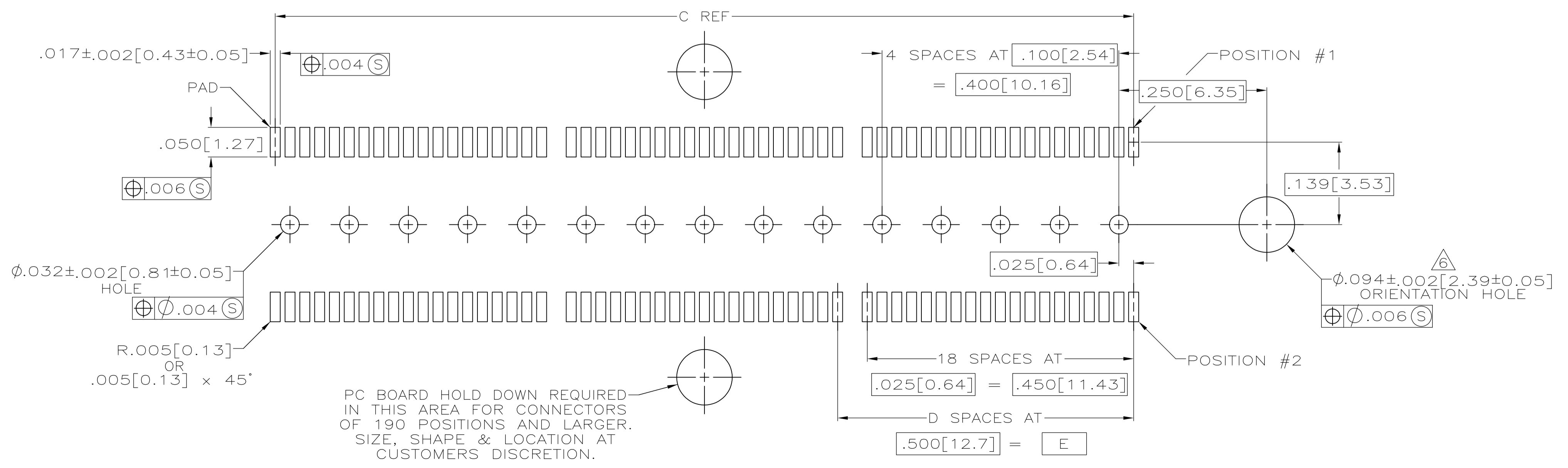
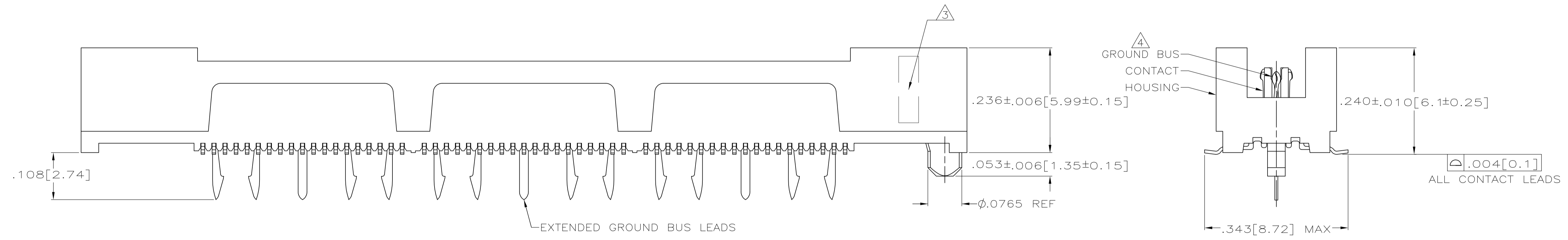
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Keep Me Informed





- $\triangle 1$ HOUSING: LIQUID CRYSTAL POLYMER, COLOR BLACK.
CONTACTS: HIGH RELIABILITY COPPER ALLOY.
GROUND BUSES: PHOSPHOR BRONZE ALLOY, UNS C51100.
- $\triangle 2$ CONTACTS & GROUND BUSES: NICKEL UNDERPLATE ALL OVER, MATING SURFACE PLATED TO MEET LEVEL 2 PERFORMANCE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPECIFICATION 108-1422, SOLDER TAILS PLATED MATTE TIN.
- $\triangle 3$ DATE CODE MARKED IN AREA INDICATED ON SIDE OPPOSITE 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]	3.900 [99.06]	4.000 [101.6]	266	5767054-7
2.500 [63.5]	5	2.950 [74.93]	3.400 [86.36]	3.500 [88.9]	228	5767054-6
2.000 [50.8]	4	2.450 [62.23]	2.900 [73.66]	3.000 [76.2]	190	5767054-5
1.500 [38.1]	3	1.950 [49.53]	2.400 [60.96]	2.500 [63.5]	152	5767054-4
1.000 [25.4]	2	1.450 [36.83]	1.900 [48.26]	2.000 [50.8]	114	5767054-3
.500 [12.7]	1	.950 [24.13]	1.400 [35.56]	1.500 [38.1]	76	5767054-2
.000 [0]	0	.450 [11.43]	.900 [22.86]	1.000 [25.4]	38	5767054-1
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 ± .005(0.13)	4 PLC ± -	ANGLES ± -
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APPROVED: D. DIXON	DATE: 01 OCT 04	NAME: RECEPTACLE ASSEMBLY, VERTICAL, .025[0.64]CL, GULL WING LEADS, MICTOR
APPROVED: D. DIXON	DATE: 01 OCT 04	PRODUCT SPEC: 108-1422
APPROVED: D. DIXON	DATE: 01 OCT 04	APPLICATION SPEC: 114-11004

MATERIAL: $\triangle 1$ FINISH: $\triangle 2$ WEIGHT: - SIZE: A1 CASE CODE: 00779 DRAWING NO: 5767054 RESTRICTED TO: -
 CUSTOMER DRAWING SCALE: 1:1 SHEET: 1 OF 1 REV: A1