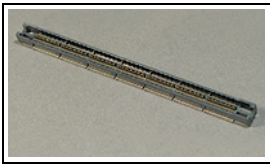


2-5767004-8 Product Details

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2-5767004-8

TE Internal Number: 2-5767004-8

Active

[View 3D PDF](#)

.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

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(17\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#) [Request Sample](#) [Find Similar Products](#) [Buy Product](#)

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 D1)
- [3D Model](#) (IGES, Version D1)
- [3D Model](#) (STEP, Version D1)

[List all Documents](#)

Additional Information:

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

Related Products:

- [Tooling](#)
- [Mating Products \(17\)](#)

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
- 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]) = 101.60 [4.000]
- 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

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](#) = 266
- Number of Signal Positions = 266
- Number of Power Positions = 7
- Number of Columns = 133
- 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

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

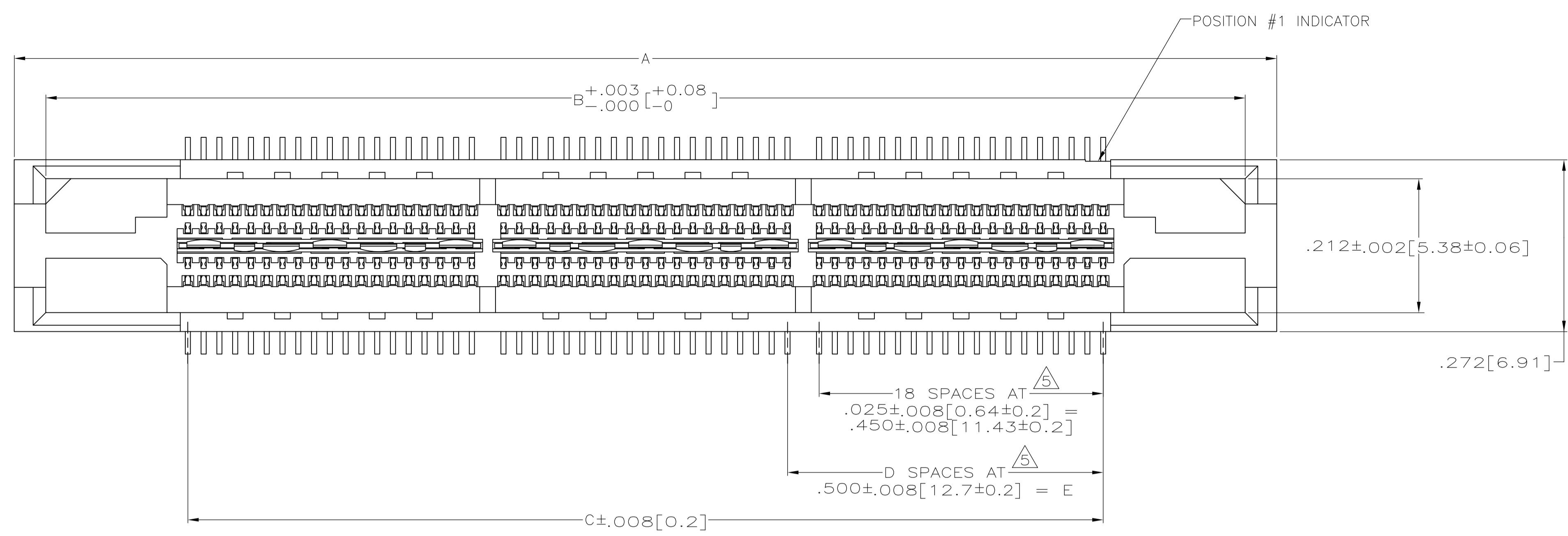
- Pick and Place Cover = Without
- Contact Transmits (Typical Application) = Signal (Data)/Power

Packaging Features:

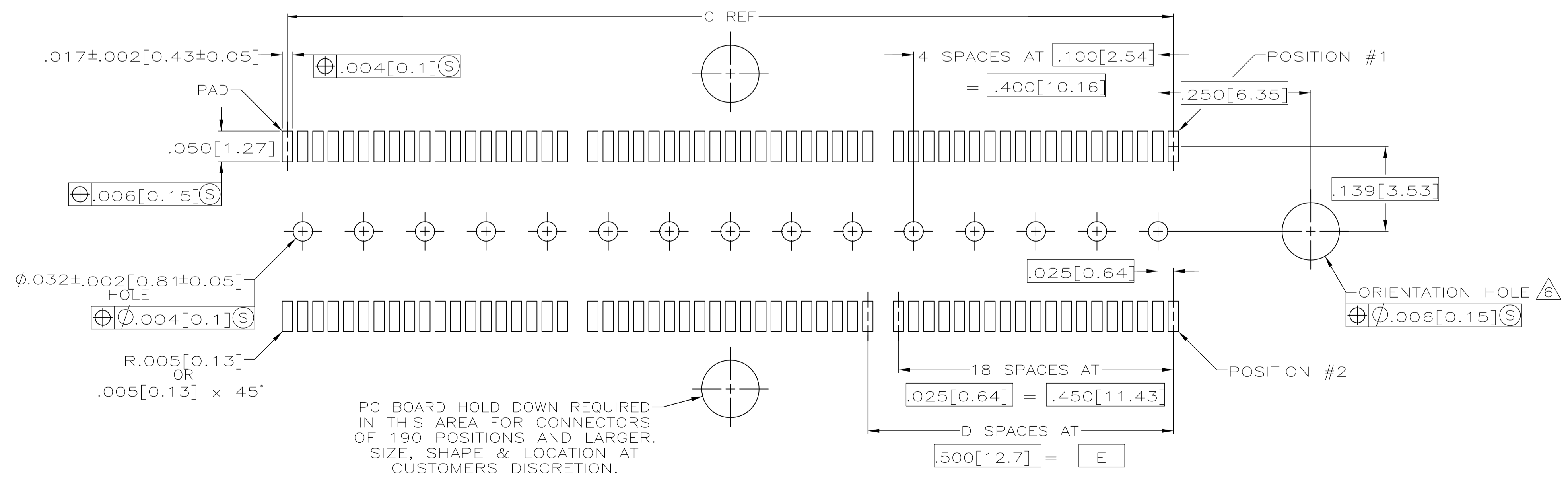
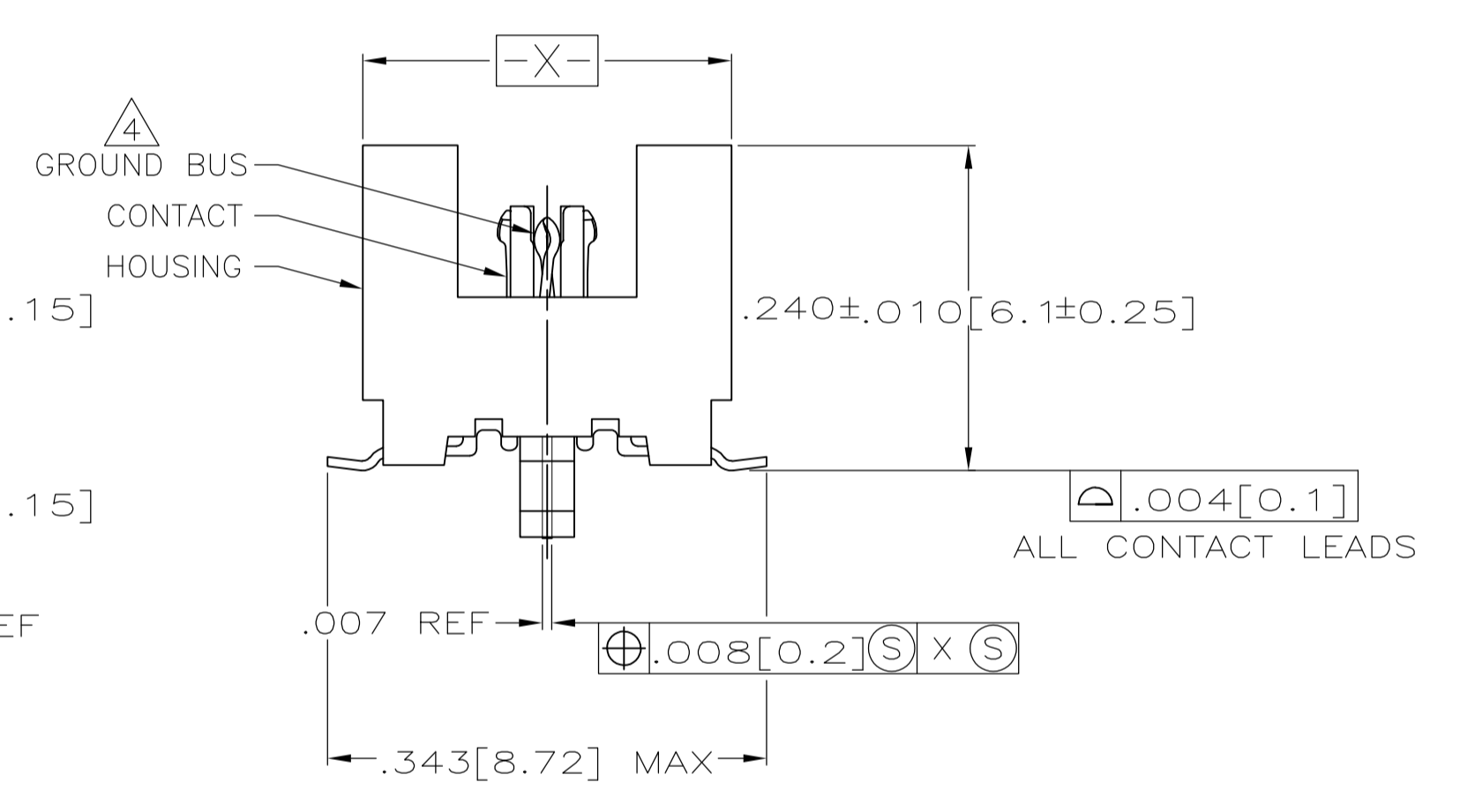
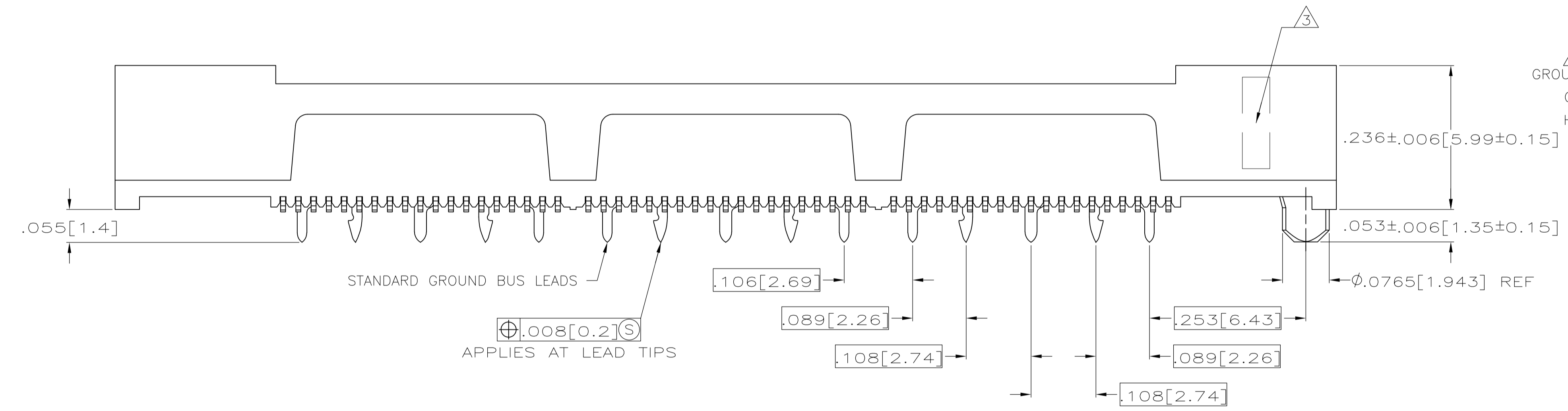
- Packaging Method = Tube

Other:

- Brand = AMP



- 1 HOUSING; LIQUID CRYSTAL POLYMER, COLOR BLACK.
- 2 CONTACTS: HIGH RELIABILITY COPPER ALLOY.
- 3 GROUND BUSES: PHOSPHOR BRONZE ALLOY, UNS C51100.
- 4 CONTACTS & GROUND BUSES: NICKEL UNDERPLATE ALL OVER, MATING SURFACE PLATED TO MEET LEVEL 1 PERFORMANCE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPECIFICATION 108-1422, SOLDER TAILS PLATED MATTE TIN.
- 5 DATE CODE MARKED IN AREA INDICATED ON SIDE OPPOSITE POSITION #1.
- 6 ONE GROUND BUS WITH 5 TAILS PER EACH MODULE.
- 7 TOLERANCE NON-ACCUMULATIVE.
- 8 FOR STANDARD APPLICATIONS, ORIENTATION HOLE TO BE $\phi .094 \pm .002 [2.39 \pm 0.05]$
- 9 FOR SLIP-FIT APPLICATIONS, ORIENTATION HOLE TO BE $\phi .079 \pm .001 [2.00 \pm 0.03]$



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]	3.900 [99.06]	4.000 [101.6]	266	2-5767004-8
2.500 [63.5]	5	2.950 [74.93]	3.400 [86.36]	3.500 [88.9]	228	2-5767004-7
2.000 [50.8]	4	2.450 [62.23]	2.900 [73.66]	3.000 [76.2]	190	2-5767004-6
1.500 [38.1]	3	1.950 [49.53]	2.400 [60.96]	2.500 [63.5]	152	2-5767004-5
1.000 [25.4]	2	1.450 [36.83]	1.900 [48.26]	2.000 [50.8]	114	2-5767004-4
.500 [12.7]	1	.950 [24.13]	1.400 [35.56]	1.500 [38.1]	76	2-5767004-3
.000 [0]	0	.450 [11.43]	.900 [22.86]	1.000 [25.4]	38	2-5767004-2
E	D	C	B	A	NO OF POS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES [mm]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PL	± -
1 PL	± -
2 PL	± -
3 PL	± .005(0.13)
4 PL	± -
ANGLES	± -

MATERIAL: 1 FINISH: 2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIN B MCMASTER 12JUL04

CHK D DIXON 12JUL04

APVD D DIXON 12JUL04

NAME: RECEPTACLE ASSEMBLY, VERTICAL, .025[0.64]CL, GULL WING LEADS, MICTOR

PRODUCT SPEC: 108-1422

APPLICATION SPEC: 114-11004

WEIGHT: -

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 5767004

RESTRICTED TO: -

CUSTOMER DRAWING

SCALE: 8:1

SHEET: 1 OF 1

REV: D3