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749070-9 Product Details

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749070-9

TE Internal Number: 749070-9

Active

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.050 Series Board Mount Connectors

5 of 6 EU RoHS/ELV Compliant (Find RoHS Compliant Alternates/Statement of Compliance)

Product Highlights:

- Connector
- Connector Style = Receptacle
- 100 Positions
- PCB Mounting Orientation = Vertical
- Termination Method to PC Board = Through Hole - Solder

[View all Features](#)

Quick Links

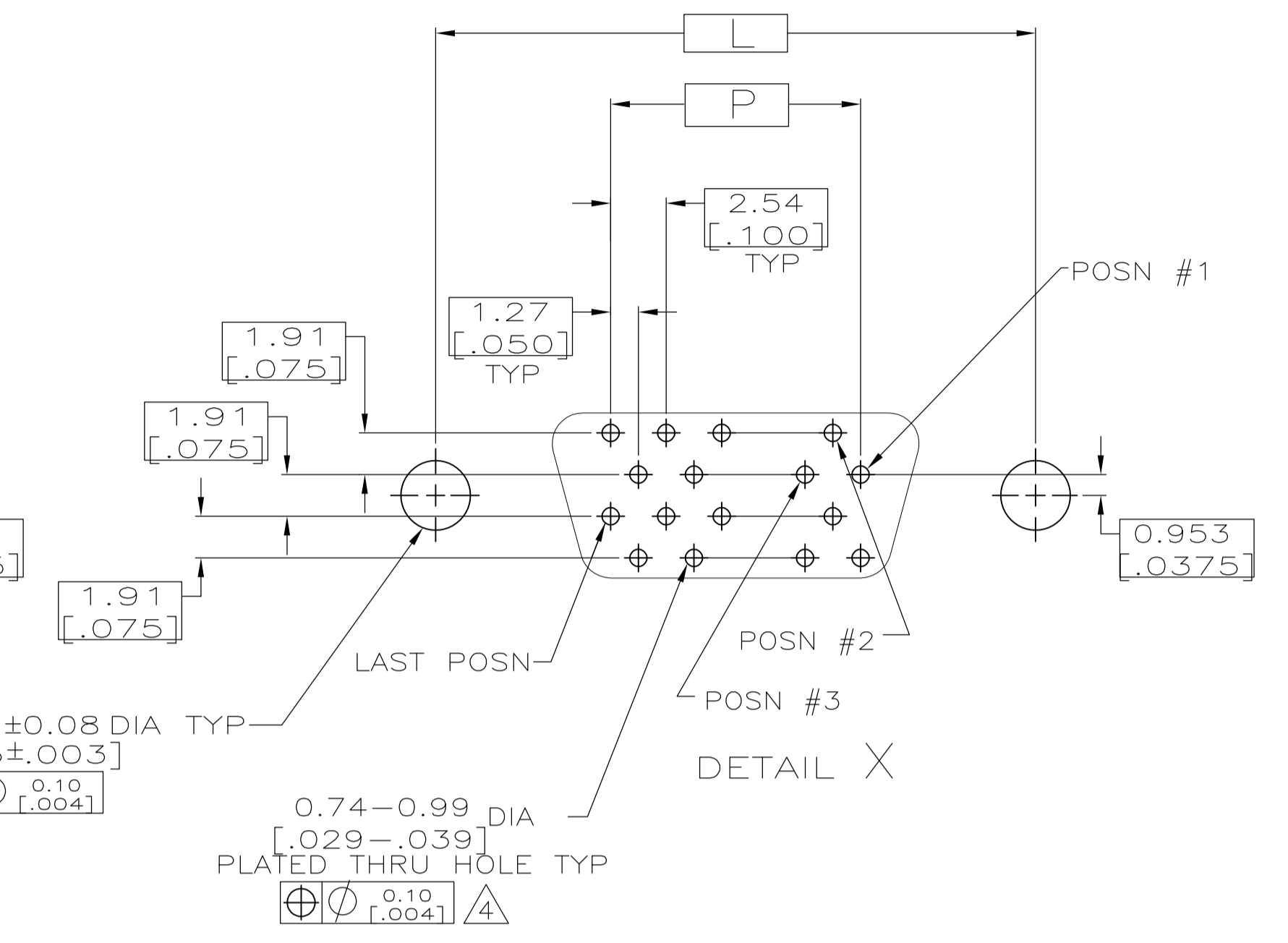
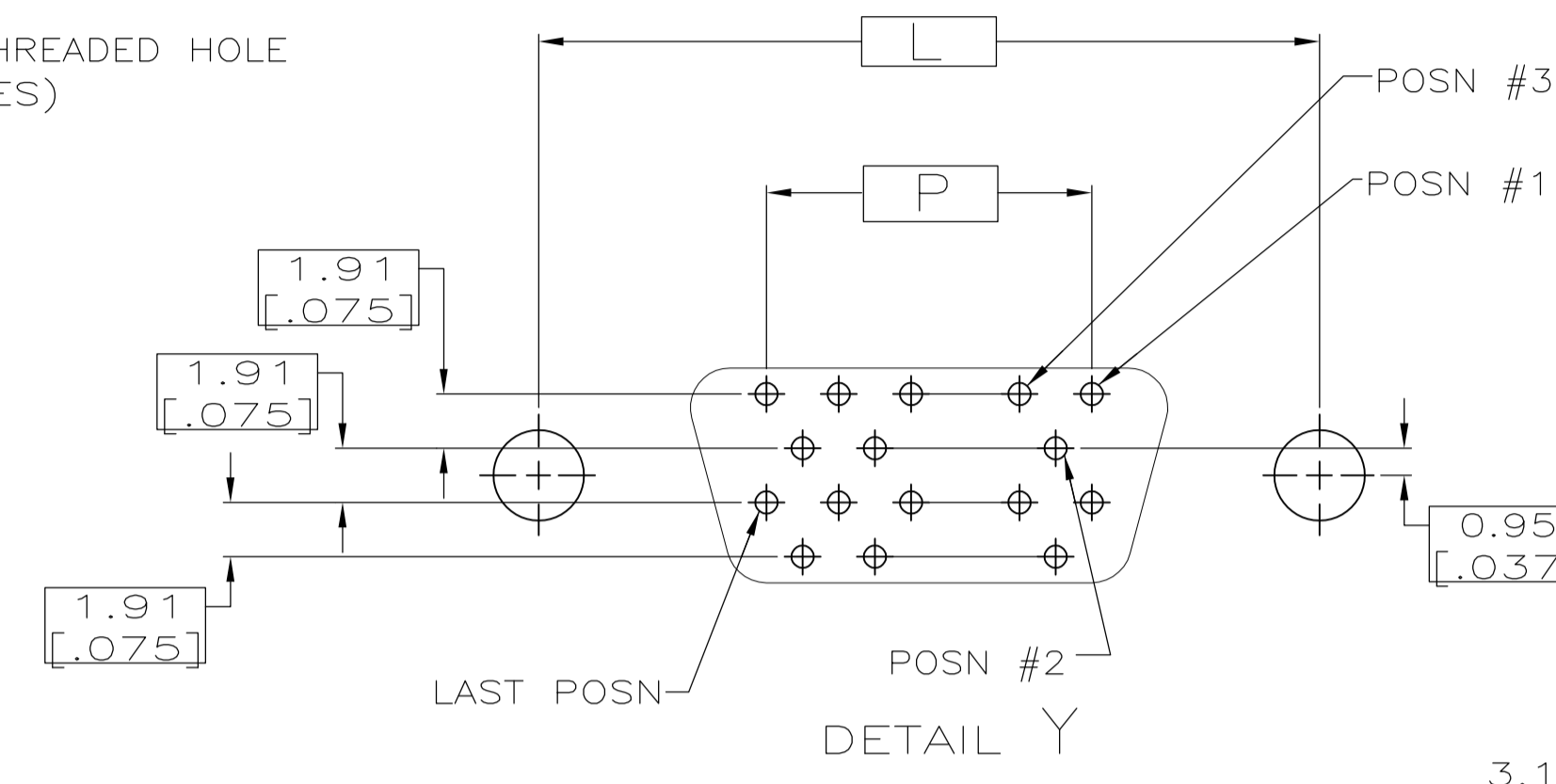
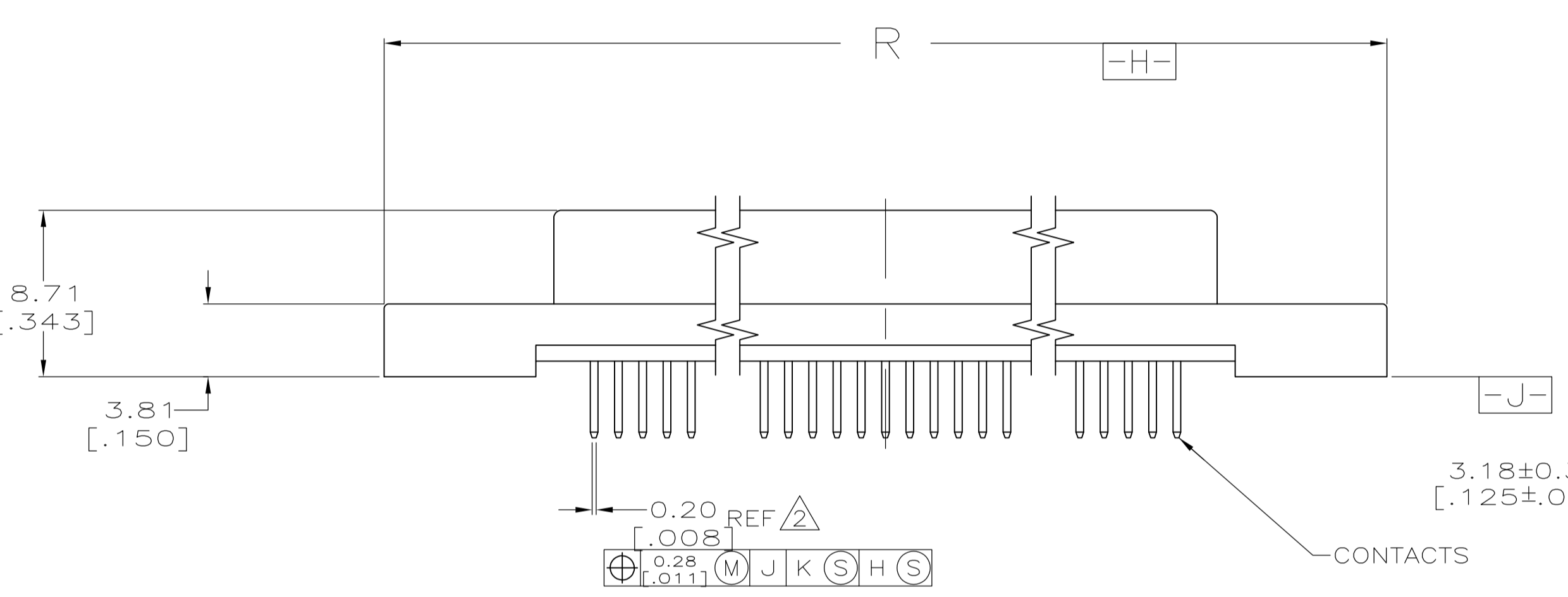
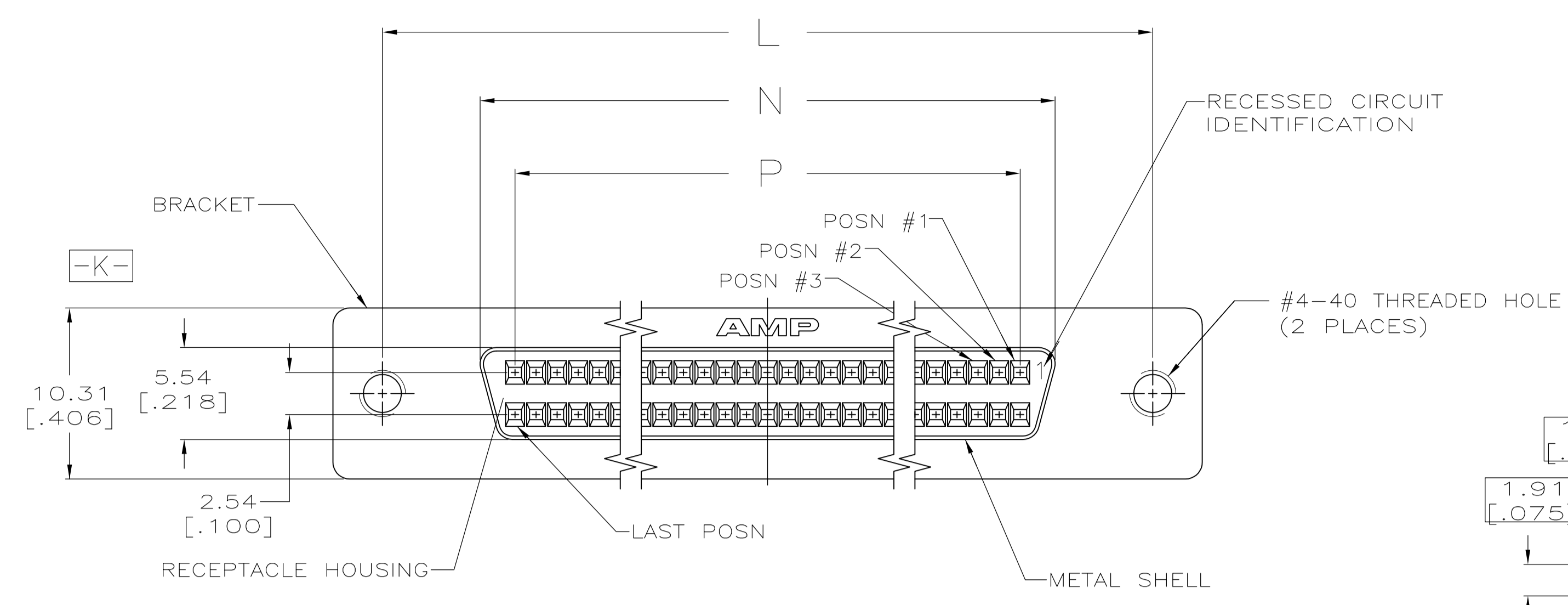
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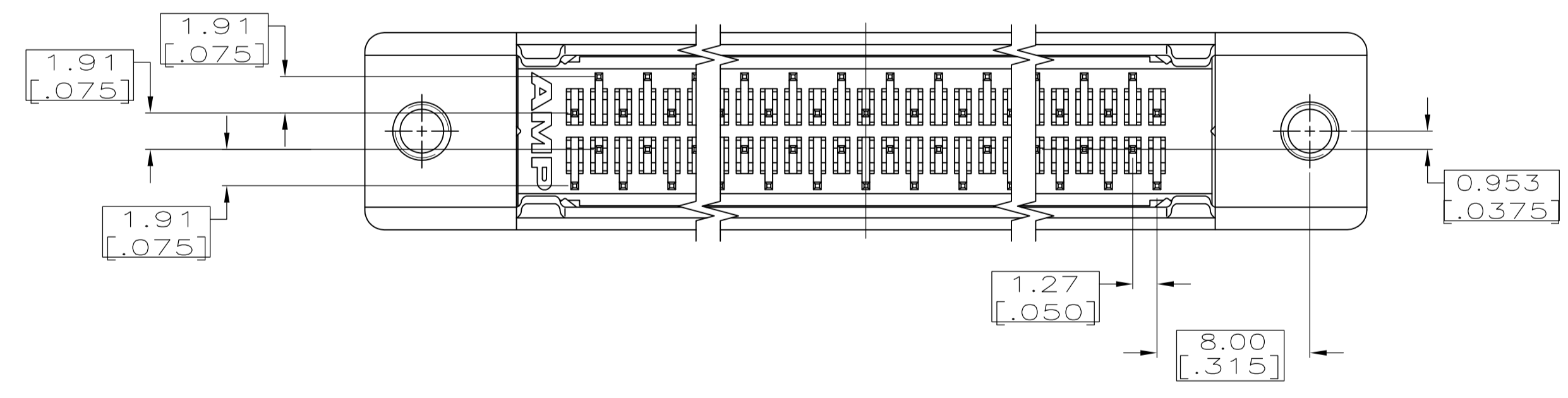
Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • RECEPTACLE ASSEMBLY, SHIELDED,VERTICAL, AMPLIMITE .0... (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • Connector, AMPLIMITE, Shielded, .050 Series (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • AMPLIMITE .050 Series Cable End Insulation Displacem... (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version F) • 3D Model (IGES, Version F) • 3D Model (STEP, Version F) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Additional Product Images:</p> <ul style="list-style-type: none"> • Product Photo • Panel Cutout <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Connector • PCB Mounting Orientation = Vertical • PCB Mount Retention = With • PCB Mount Retention Type = Mounting Hole(s) • PCB Mount Alignment = Without • Shell Type = Full Metal • Product Series = Series III <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Mating Retention Type = Jackscrew(s) <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination Method to PC Board = Through Hole - Solder • Termination Post Length (mm [in]) = 3.18 [0.125] <p>Body Features:</p> <ul style="list-style-type: none"> • Mating Retention = With • Post Plating = Tin-Lead • Shell Material = Steel • Shell Plating = Tin over Copper • Bracket Material = Zinc • Bracket Plating = Nickel over Copper 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Plating, Mating Area, Material = Gold (30), Gold Flash over Palladium Nickel • Contact Base Material = Phosphor Bronze <p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Receptacle • Mating Alignment = Without • Centerline (mm [in]) = 1.27 [0.050] • Housing Material = Thermoplastic - GF <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 100 • Shielded = Yes <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = ELV compliant, 5 of 6 Compliant • Lead Free Solder Processes = Not suitable for lead free processing • UL Flammability Rating = UL 94V-0 <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP • Comment = Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware.



P.C. BOARD MOUNTING DIMENSIONS
(CONNECTOR SIDE)



- 1 FINISH:
 CONTACTS - EITHER 0.76µm [.000030] MIN THICK GOLD ON MATING END OR GOLD FLASH OVER PALLADIUM NICKEL 0.76µm [.000030] MIN THICK TOTAL ON MATING END. TIN-LEAD PLATED 3.05µm [.000120] MIN THICK ON SOLDER LEAD, ALL OVER 1.27µm [.000050] MIN THICK NICKEL UNDERPLATE.
 SHELL - 5.08µm [.000200] MIN NICKEL OVER 1.27µm [.000050] MIN COPPER.
 BRACKET - NICKEL PLATE.
- 2 POSITION TOLERANCE APPLIES AT TIP ONLY.
- 3 MATERIAL:
 CONTACTS - PHOSPHOR BRONZE.
 HOUSING - UL V-0 RATED THERMOPLASTIC, COLOR: BLACK.
 BRACKET - ZINC.
 SHELL - CARBON STEEL.
- 4 ACTUAL HOLE SIZE USED WILL DEPEND ON TRACE ROUTING REQUIREMENTS BETWEEN HOLES AND CONNECTOR PLACEMENT TECHNIQUE.

X	84.20 [3.315]	62.23 [2.450]	66.45 [2.616]	78.23 [3.080]	100	749070-9
X	63.88 [2.515]	41.91 [1.650]	46.13 [1.816]	57.91 [2.280]	68	749070-7
Y	52.45 [2.065]	30.48 [1.200]	34.70 [1.366]	46.48 [1.830]	50	749070-5
PWB PATTERN	R	P	N	L	NO. OF POSN	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN JOHN A.ROOT 5-2-89	Tyco Electronics Corporation Harrisburg, PA 17105-3608
0 PLC ± -	1 PLC ± -	CIK M.A.VISELLI 5-2-89	
2 PLC ± 0.12[.005]	3 PLC ± -	APVD -	NAME
4 PLC ± -	ANGLES ± -	PRODUCT SPEC	RECEPTACLE ASSEMBLY, SHIELDED, VERTICAL, AMPLIMITE .050 Series
MATERIAL	FINISH	APPLICATION SPEC	SIZE CASE CODE DRAWING NO
		WEIGHT	A1 00779 C=749070
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 1 REV H