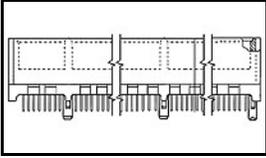


5145165-4 Product Details

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5145165-4

TE Internal Number: 5145165-4

 Active

[View 3D PDF](#)

PCI & PCI Express Connectors

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Family Name = PCI
- PCB Mounting Orientation = Vertical
- 92 Dual Positions
- 184 Positions
- Housing Color = White

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
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- ▶ [Contact Us About This Product](#)

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Documentation & Additional Information

Product Drawings:

- [CONNECTOR ASSEMBLY, 92 DUAL POSITION, .050 SERIES, S...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [Connector, Card Edge, .050 Centerline](#) (PDF, English)

Application Specifications:

- [Card Edge Printed Circuit \(PC\) Board Connectors](#) (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)

[List all Documents](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Family Name = PCI
- PCB Mounting Orientation = Vertical
- [PCB Mount Style](#) = Through Hole
- PCB Mount Retention Type = Pylon

Electrical Characteristics:

- [Voltage \(VAC\)](#) = 3.3

Termination Features:

- [Termination Post Length \(mm \[in\]\)](#) = 2.54 [0.100]

Dimensions:

- Length (mm [in]) = 128.00 [5.039]
- Width (mm [in]) = 8.88 [0.350]
- Height (mm [in]) = 13.97 [0.550]
- PCB Thickness, Accepted (mm [in]) = 1.57 [0.062]

Housing Features:

- Housing Color = White
- Centerline (mm [in]) = 1.27 [0.050]
- Housing Material = PA46

Configuration Features:

- [Number of Dual Positions](#) = 92
- Number of Positions = 184

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant

Body Features:

- [Bus Width](#) = 64 Bit
- Ejector = Without
- Number of Pylons = 3
- Pylon Material = Plastic

Contact Features:

- [Contact Plating](#), [Mating Area](#), [Material](#) = Gold (30)
- Contact Base Material = Phosphor Bronze
- Solder Tail Contact Plating = Tin over Nickel

Environmental:

- Operating Temperature Range (°C) = -55 - +85

Operation/Application:

- Pick and Place Cover = Without

Other:

- Brand = TE Connectivity

Corporate Information

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- [Investors](#)
- [News Room](#)
- [Supplier Portal](#)
- [Careers](#)
- [Terms & Conditions](#)
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Quick Links

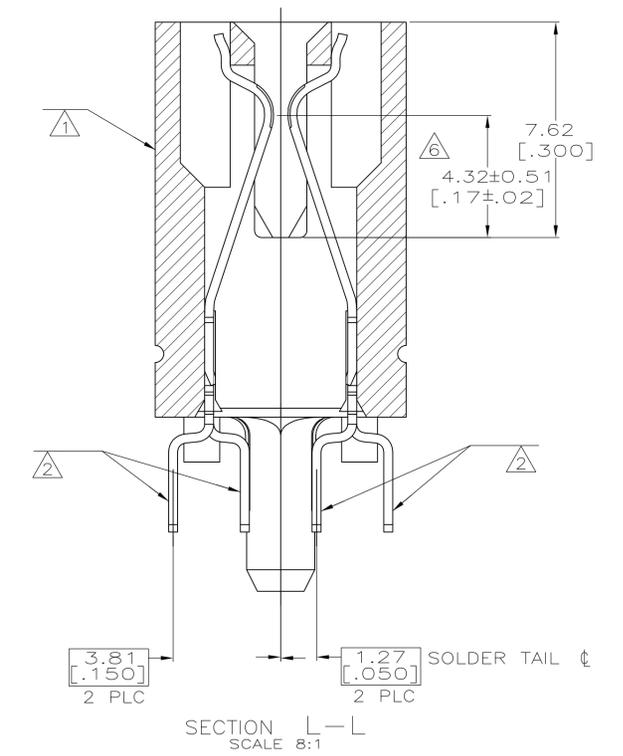
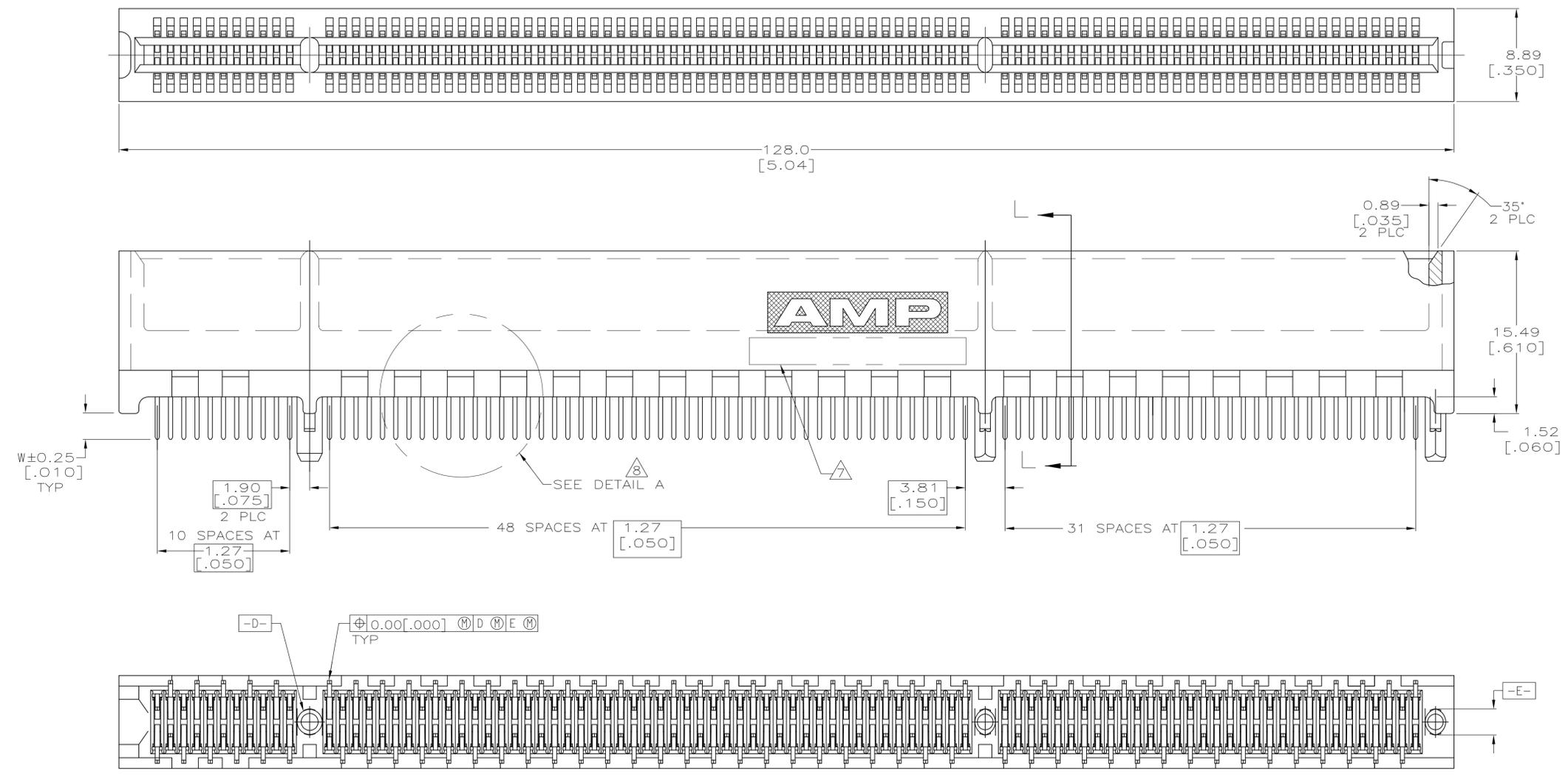
- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

Customer Support

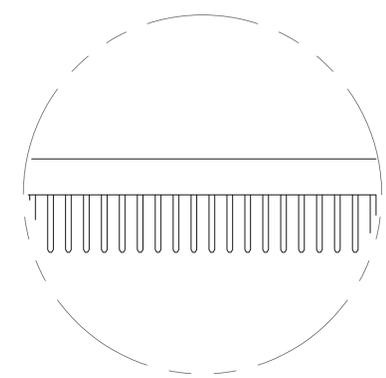
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Keep Me Informed

SEE SHEET 2 FOR NOTES



SEE SHEET 2 FOR HOLE PATTERN



3.56 [.140]	△	1-5145165-2
3.17 [.125]	△	5145165-8
2.54 [.100]	△	5145165-4
2.54 [.100]	△	5145165-2
2.54 [.100]	△	5145165-1
W	FINISH	PART NUMBER

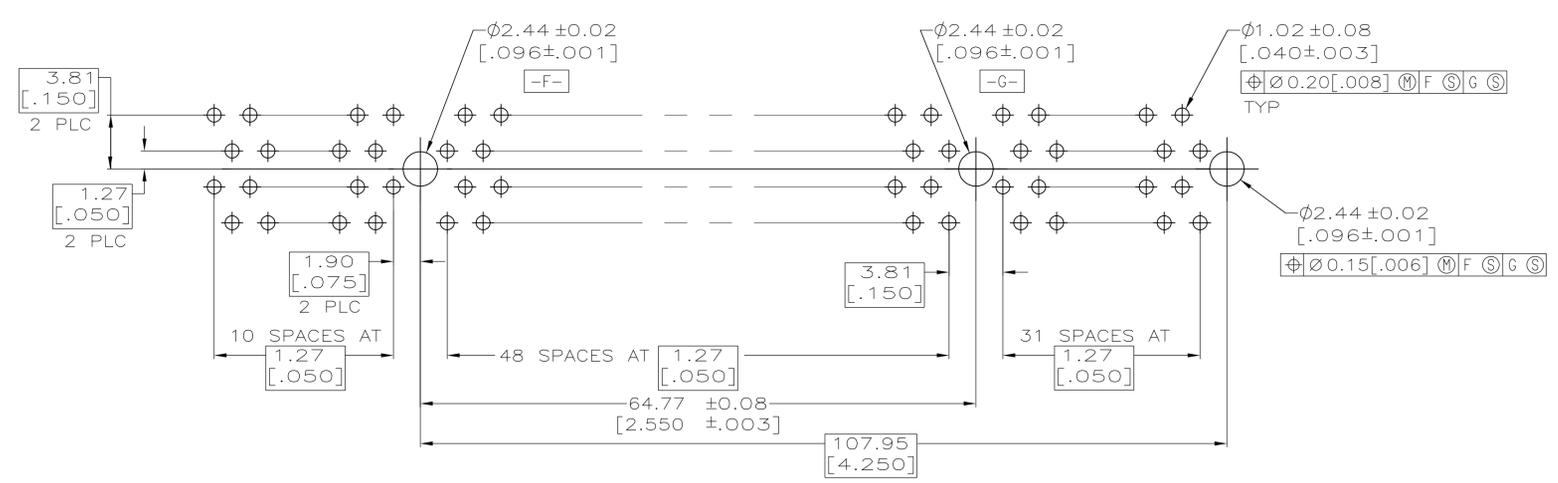
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.25 [.01] 3 PLC ± 0.13 [.005] 4 PLC ± - ± α ANGLES ± - ± α	FINISH:	DWN: AL FRANTUM 04 FEB 05 CHK: AL FRANTUM 04 FEB 05 APVD: - PRODUCT SPEC: 108-14034 APPLICATION SPEC: 114-26012 WEIGHT: - CUSTOMER DRAWING	NAME: - SIZE: A1 CAGE CODE: 00779 DRAWING NO: 5145165 RESTRICTED TO: - SCALE: 4:1 SHEET 1 OF 2 REV C1
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OBsolete

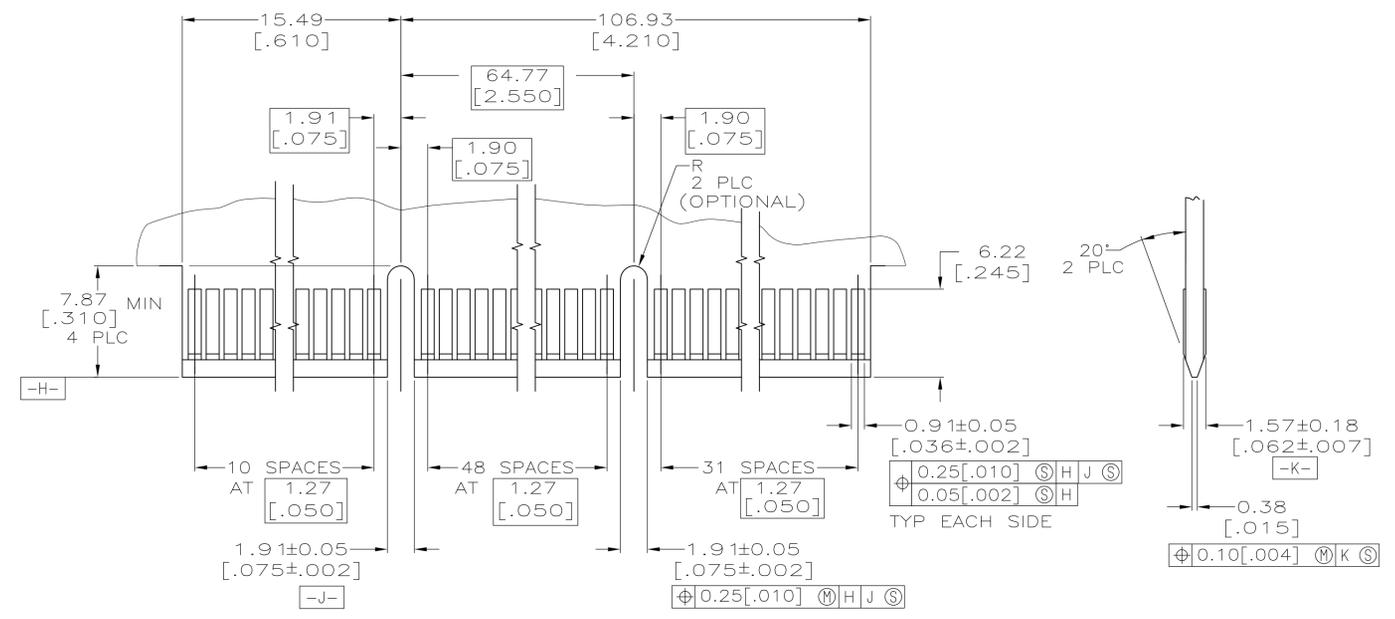
STE TE Connectivity

CONNECTOR ASSEMBLY, 92 DUAL POSITION, .050 SERIES, STANDARD EDGE



RECOMMENDED CONNECTOR MOUNTING HOLE PATTERN
(CONNECTOR SIDE SHOWN)

- 1 HOUSING: HIGH TEMPERATURE THERMOPLASTIC. COLOR - NATURAL
- 2 CONTACT: PHOSPHOR BRONZE.
- 3 CONTACT FINISH: 0.00127[.000050] MIN NICKEL ALL OVER. GOLD FLASH OVER NICKEL IN CONTACT AREA. 0.00254[.000100] MIN MATTE TIN OVER NICKEL ON SOLDER TAILS.
- 4 CONTACT FINISH: 0.00127[.000050] MIN NICKEL ALL OVER. 0.00038[.000015] GOLD OVER NICKEL IN CONTACT AREA. 0.00254[.000100] MIN MATTE TIN OVER NICKEL ON SOLDER TAILS.
- 5 CONTACT FINISH: 0.00127[.000050] MIN NICKEL ALL OVER. 0.00076[.000030] GOLD OVER NICKEL IN CONTACT AREA. 0.00254[.000100] MIN MATTE TIN OVER NICKEL ON SOLDER TAILS.
- 6 DISTANCE FROM CONTACT POINT TO BOTTOM OF CARD SLOT.
- 7 AMP PART NUMBER, DATE CODE AND CSA LOGO MARKED IN APPROXIMATE LOCATION SHOWN.
- 8 CORED OR SOLID SIDE WALLS ARE AT DISCRETION OF AMP INCORPORATED.



RECOMMENDED MATING BOARD EDGE CONFIGURATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN AL FRANTUM 04 FEB 05	TE Connectivity
DIMENSIONS: mm		CIK AL FRANTUM 04 FEB 05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	NAME
0 PLC ± -		PRODUCT SPEC	CONNECTOR ASSEMBLY, 92 DUAL POSITION, .050 SERIES, STANDARD EDGE
1 PLC ± -		APPLICATION SPEC	108-14034
2 PLC ± 0.25 [.01]		SIZE	A1
3 PLC ± 0.13 [.005]		WEIGHT	00779 5145165
4 PLC ± - ± °		CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 2 REV C1
MATERIAL -		FINISH -	