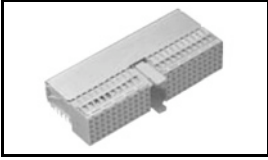


100147-1 Product Details

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100147-1

TE Internal Number: 100147-1

 Active

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2mm Hard Metric PCB Mount Connectors (Z-PACK 2mm HM)

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

Product Highlights:

- Connector
- Connector Assembly
- Connector Style = Receptacle
- Type = Type A
- Interface Type = 2mm HM

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [Z-PACK 2mm HM TYPE A 110 POS. FEMALE CONNECTOR](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [Z-Pack 2 mm HM CONNECTORS](#) (PDF, English)

Application Specifications:

- [Z-PACK 2mm HM Interconnection System for Board-to-Bo...](#) (PDF, English)

Instruction Sheets:

- [INSERTION TOOL FOR Z-PACK 2mm HM CONN.](#) (PDF, Japanese)

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version N)
- [3D Model](#) (IGES, Version N)
- [3D Model](#) (STEP, Version N)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(3\)](#)

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

Product Type Features:

- Product Type = Connector
- Connector Type = Connector Assembly
- [PCB Mounting Orientation](#) = Right Angle

Mechanical Attachment:

- [Board Mount](#) = Free Board
- AMP Standard Option Number = 1

Termination Features:

- [Interface Type](#) = 2mm HM
- Termination End Plating = Tin-Lead over Nickel

Dimensions:

- [Module Length \(mm \[in\]\)](#) = 50.00 [1.968]

Body Features:

Housing Features:

- Connector Style = Receptacle
- [Mating Alignment](#) = With
- [Mating Alignment Type](#) = Multi-Purpose Center
- Housing Color = Gray
- Housing Material = PBT - GF

Configuration Features:

- [Number of Rows](#) = 5
- [Number of Positions](#) = 110
- [Crosstalk Version](#) = Standard
- [Shielded](#) = No
- Rows Loaded = B, A, C, E, D

Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant

- [Type](#) = Type A

Contact Features:

- Contact Configuration = ACTION PIN Post, Signal
- [Feedthrough Post Length \(mm \[in\]\)](#) = 3.30 [0.130]
- [CompactPCI](#) = Yes
- [Contact Plating, Mating Area, Material](#) = Gold (30)
- [Grounding Contact](#) = Without
- Contact Style = Short Tail
- Contact Base Material = Phosphor Bronze

- [Lead Free Solder Processes](#) = Not relevant for lead free process
- UL Flammability Rating = UL 94V-0

Packaging Features:

- Packaging Quantity = 11

Other:

- Brand = AMP

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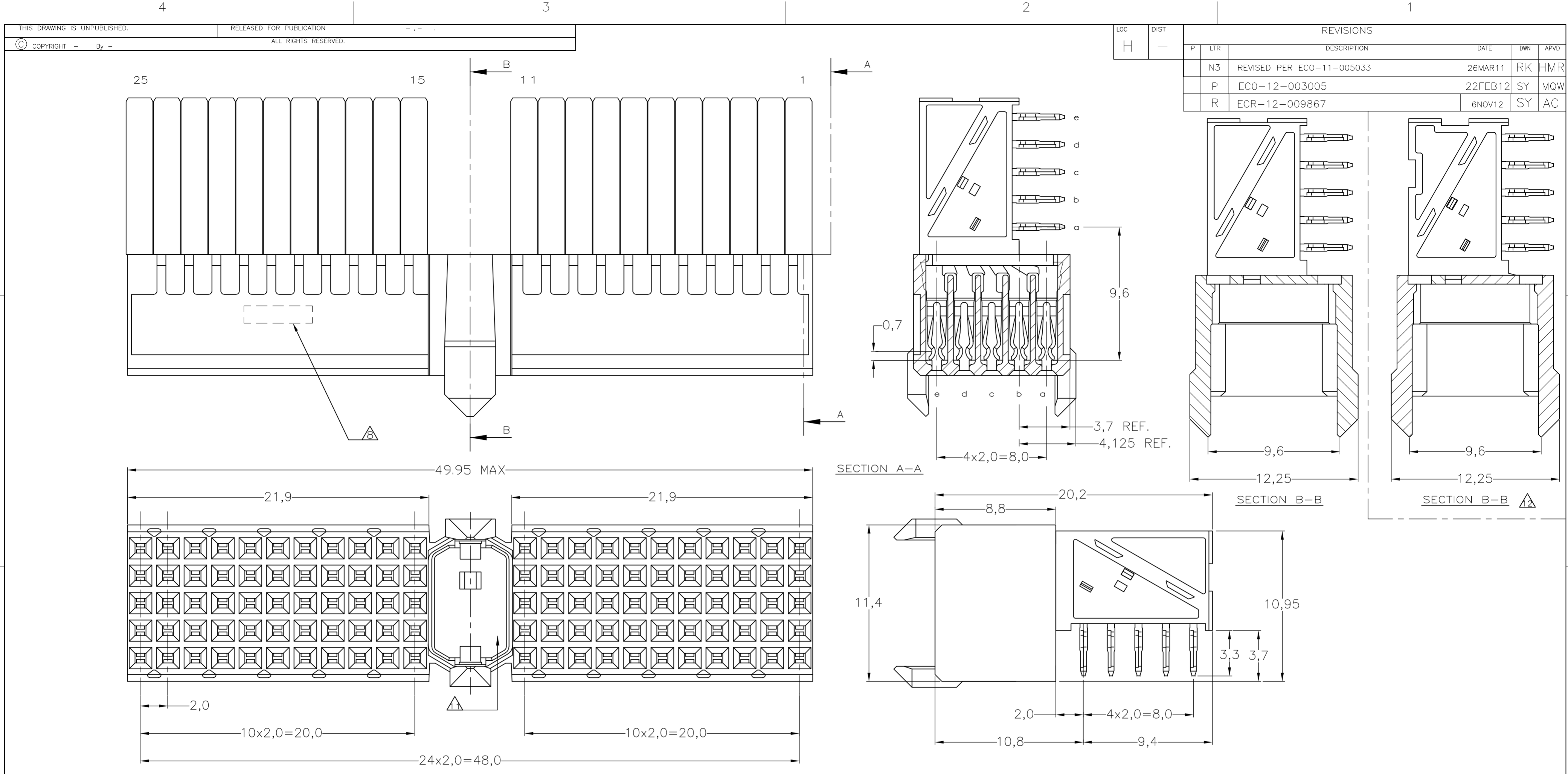
Quick Links

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[Product Cross Reference](#)
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Customer Support

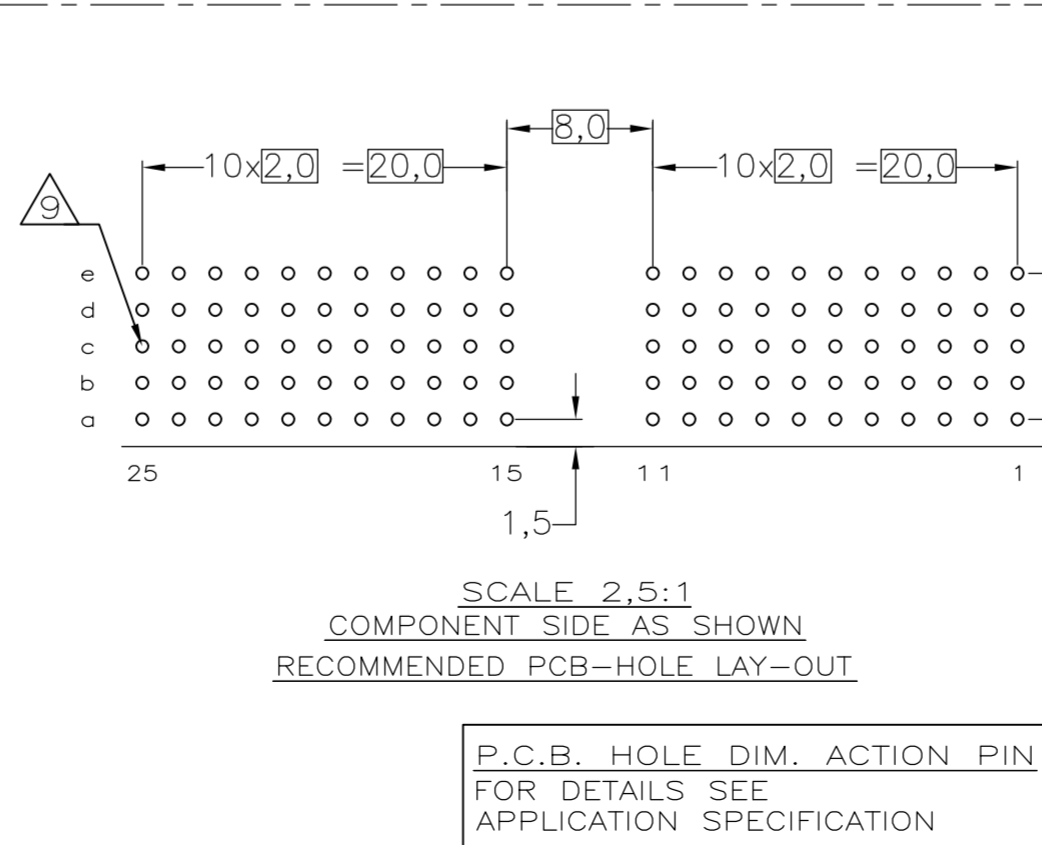
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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
H	-						
N3		REVISED PER ECO-11-005033	26MAR11	RK	HMR		
P		ECO-12-003005	22FEB12	SY	MQW		
R		ECR-12-009867	6NOV12	SY	AC		

- NOTES:**
- 1 MATERIAL CONTACT; PHOSPHORBRONZE
 - 2 MATERIAL HOUSING; GLASSFILLED POLYESTER (GRAY) UL-RATING 49V0
 - 3 GENERAL PLATING SPECIFICATION: UNDERPLATING (ENTIRE CONTACT): 1,27µm NICKEL MIN. AND ACTION PIN: 0,5µm TIN-LEAD MIN. FOR PLATING OF MATING SURFACES SEE APPLICABLE SPECIFICATION REFERENCE FOR EACH DASH NUMBER.
 - 4 CONFORMS TO ALL TESTING ACCORDING IEC 61076-4-101 PERFORMANCE LEVEL 2.
 - 5 CONFORMS TO ALL TESTING ACCORDING IEC 61076-4-101 PERFORMANCE LEVEL 1.
 - 6 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL III, CENTRAL OFFICE APPLICATIONS.
 - 7 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL III, UNCONTROLLED ENVIRONMENT APPLICATIONS.
 - 8 CONNECTOR LUBRICATED WITH TELCORDIA GR-1217-CORE APPROVED LUBRICANT.
 - 9 CONNECTOR MARKED WITH PARTNUMBER AND DATECODE. THE MARKING CAN APPEAR ON THE FRONT SIDE OR ON THE BACK SIDE.
 - 10 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID. 110 HOLES.
 - 11 FITS WITH INTEGRATED GROUND RETURN UPPERSHIELD, BASIC P.N. 338107 AND INTEGRATED GROUND RETURN LOWERSHIELD, BASIC P.N. 338108
 - 12 AREA RESERVED FOR CODING KEY, BASIC P.N. 100526
 - 13 CONNECTOR ASSEMBLED WITH ALTERNATE FEMALE CONTACTS.
 - 14 0.76µm MIN GOLD PLATING AT MATING SURFACES.



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	20JAN97	TE Connectivity	
DIMENSIONS: mm		CHK	20JAN97		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD			
0 PLC ± -		F.V.D. KONINGSBRUGGE		NAME	
1 PLC ± -		108-19082		Z-PACK 2mm HM TYPE A	
2 PLC ± -		APPLICATION SPEC		110 POS. FEMALE CONNECTOR	
3 PLC ± -		114-19029		SIZE	
4 PLC ± -		WEIGHT		CAGE CODE	
ANGLES ± -		CUSTOMER DRAWING		DRAWING NO	
FINISH		A2		00779	
MATERIAL		SCALE		SHEET	
		NTS		1 of 1	
		REV		R	