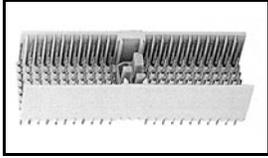


188834-1 Product Details

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188834-1

TE Internal Number: 188834-1

 Active

[View 3D PDF](#)

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 = Plug
- Type = Type A
- Interface Type = 2mm HM

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A \(PDF, English\)](#)

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:

- None Available

CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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

Product Type Features:

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

Mechanical Attachment:

- [Board Mount](#) = Fixed Board
- Front Mating Level = Level 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:

- [Type](#) = Type A

Housing Features:

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

Configuration Features:

- [Number of Rows](#) = 5+2
- [Number of Positions](#) = 154
- [Crosstalk Version](#) = Standard
- [Shielded](#) = Yes
- Rows Loaded = E, F, Z, D, C, B, A
- Shield Type = Ground Return Shielding

Industry Standards:

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

- CompactPCI Designation = P1/P4

Contact Features:

- Contact Configuration = Signal
- Feedthrough Post Length (mm [in]) = 3.70 [0.145]
- CompactPCI = Yes
- Contact Plating, Mating Area, Material = Performance-Based
- Grounding Contact = Without
- Contact Style = Short Tail
- Number of Signal Contacts = 110
- Contact Base Material = Phosphor Bronze

- Lead Free Solder Processes = Not relevant for lead free process
- UL Flammability Rating = UL 94V-0

Other:

- Brand = AMP

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Quick Links

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Customer Support

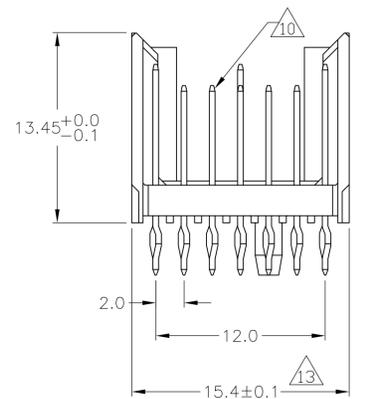
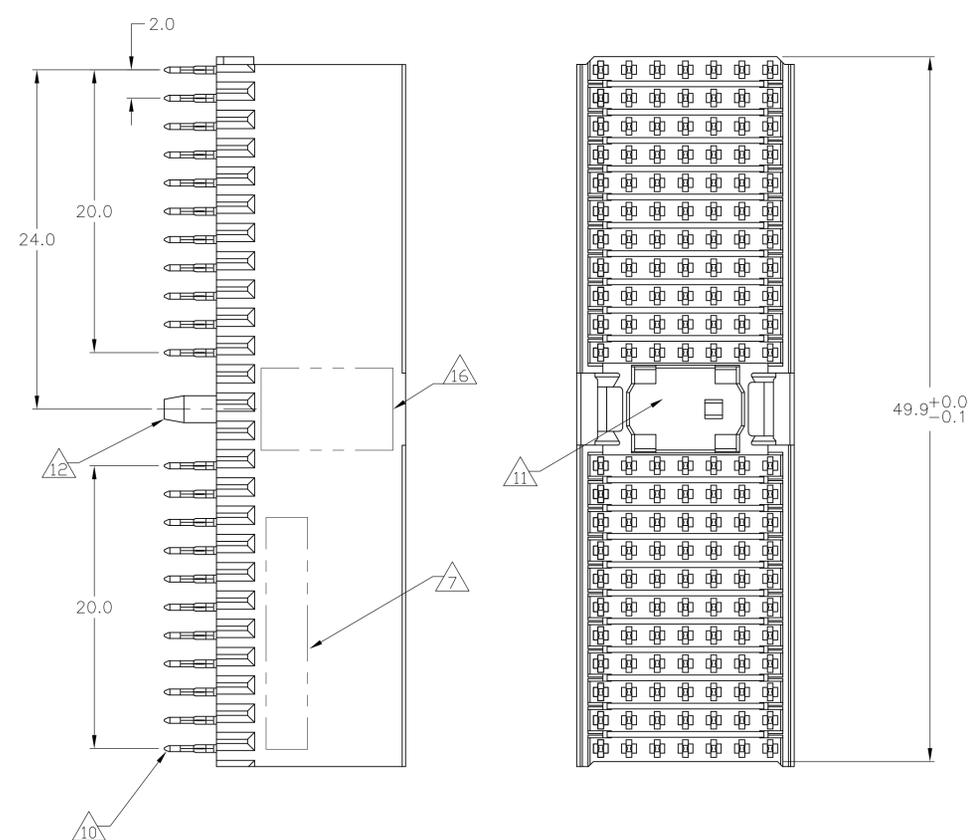
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Keep Me Informed

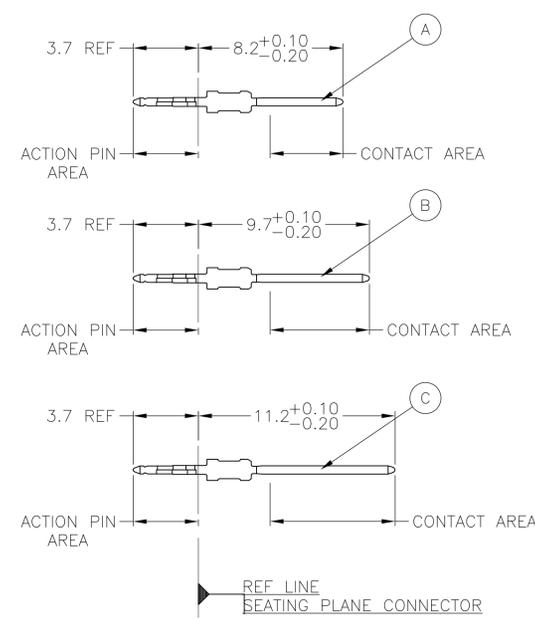


LOC		DIST		REVISIONS			
AD	00	F	LTR	DESCRIPTION	DATE	DMN	APVD
		E1		REVISED PER ECO-11-005033	28MAR11	RK	HMR
		F		ECR-12-010652	25NOV12	SY	AC

CONNECTOR ASSEMBLY EXAMPLARY LOADED



CONTACT DIMENSIONS SCALE 5:1

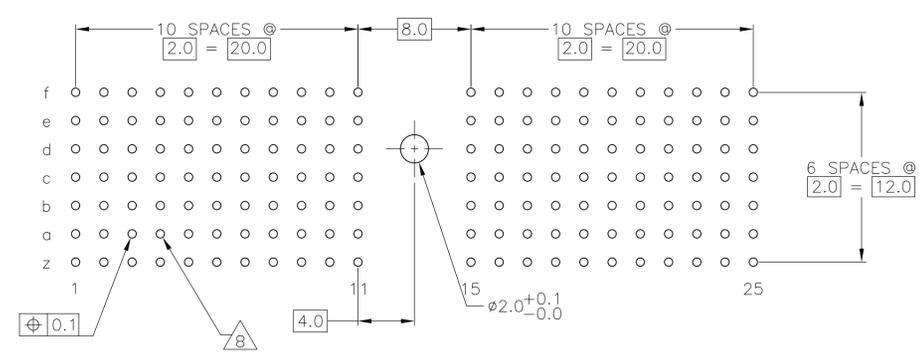


CONTACT LAYOUT

	z	a	b	c	d	e	f
1	C	B	B	B	B	B	C
2	C	B	B	B	B	B	C
3	C	B	B	B	B	B	C
4	C	B	B	B	B	B	C
5	C	B	B	B	B	B	C
6	C	B	B	B	B	B	C
7	C	B	B	B	B	B	C
8	C	B	B	B	B	B	C
9	C	B	B	B	B	B	C
10	C	B	B	C	B	B	C
11	C	B	B	B	A	B	C
MULTI PURPOSE CENTER							
15	C	B	B	B	B	B	C
16	C	B	B	B	B	B	C
17	C	B	B	B	B	B	C
18	C	B	B	B	B	B	C
19	C	B	B	B	B	B	C
20	C	B	B	B	B	B	C
21	C	B	B	B	B	B	C
22	C	B	B	B	B	B	C
23	C	B	B	B	B	B	C
24	C	B	B	B	B	B	C
25	C	B	B	B	B	B	C

RECOMMENDED PCB-HOLE LAYOUT COMPONENT SIDE SHOWN

PLATED THRU HOLES PARAMETERS REFERENCE APPLICATION SPECIFICATION



2	15	5	14	3-188834-0
2	6	14		1-188834-9
2	5	14		1-188834-9
2	4			188834-4
2	3			188834-1
FINISH				PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN B CARBO 130EC05	130EC05
0-PLC ±	1-PLC ±0.1	APVD G SKIPPER	130EC05
2-PLC ±	3-PLC ±	PRODUCT SPEC	
4-PLC ±	ANGLES ±	NAME	MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A
MATERIAL	FINISH SEE TABLE	APVD G SKIPPER 130EC05	108-19082
		APPLICATION SPEC	114-19029
		WEIGHT	A1 00779
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 2 REV F

- 1 MATERIAL:
CONTACT: PHOSPHOR BRONZE.
HOUSING: GLASS-FILLED POLYESTER.
- 2 GENERAL PLATING SPECIFICATION: UNDERPLATING
(ENTIRE CONTACT): 1.27µm MIN NICKEL AND ACTION
PIN: 0.5µm MIN TIN LEAD.
FOR PLATING OF MATING SURFACES SEE APPLICABLE
SPECIFICATION REFERENCE FOR EACH DASH NUMBER.
- 3 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101
PERFORMANCE LEVEL 2.
- 4 CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101
PERFORMANCE LEVEL 1.
- 5 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,
CENTRAL OFFICE APPLICATIONS.
- 6 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,
UNCONTROLLED ENVIROMENT APPLICATIONS.
- 7 CONNECTOR MARKED WITH PART NUMBER AND DATE CODE.
ADDITIONAL CHARACTERS OR MARKINGS, AS WELL AS THE LOCATION OF THE MARKINGS,
MAY BE ADDED FOR TRACEABILITY BASED UPON MANUFACTURERS DISCRETION.
- 8 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID
PATTERN DEFINED BY CONTACT LAYOUT.
- 9 FOR ACTUAL PIN LOADING SEE "CONTACT LAYOUT".
- 10 FOR ACTUAL PIN DIMENSIONS SEE "CONTACT DIMENSIONS".
- 11 AREA RESERVED FOR KEYING PART (BASIC P/N 100525)
- 12 POLARIZATION FEATURE.
- 13 TO BE MEASURED AT BOTTOM OF SHROUD.
- 14 CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.
- 15 0.76µm MIN GOLD PLATING MATING SURFACES.
- 16 VOID CORING PERMISSIBLE IN THIS AREA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN E CARBO 13DEC05	 TE Connectivity		
		CIK G SKIPPER 13DEC05			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD G SKIPPER 13DEC05	NAME	MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A	
	0-PLC ± 1-PLC ± 0.1 2-PLC ± 3-PLC ± 4-PLC ± ANGLES	PRODUCT SPEC	108-19082	SIZE	A1
MATERIAL SEE SHEET 1	FINISH SEE SHEET 1	APPLICATION SPEC	114-19029	CAGE CODE	00779
		WEIGHT	—	DRAWING NO	188834
		CUSTOMER DRAWING		SCALE	4:1
				SHEET	2 OF 2
				REV	F