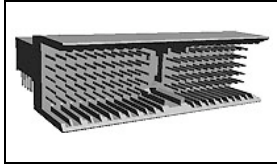


106012-1 Product Details



106012-1

TE Internal Number: 106012-1



Active

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 C
- Interface Type = 2mm HM

[View all Features](#)

Documentation & Additional Information

Product Drawings:

- [Z-PACK 2MM HM TYPE C 55 POS. RIGHT ANGLE MALE CONNE...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version L1)
- [3D Model](#) (IGES, Version L1)
- [3D Model](#) (STEP, Version L1)

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](#) = Right Angle

Mechanical Attachment:

- [Board Mount](#) = Free Board
- Front Mating Level = Level 1

Electrical Characteristics:

- [Shielded](#) = No

Termination Features:

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

Dimensions:

- [Module Length \(mm \[in\]\)](#) = 25.00 [0.984]

Body Features:

- [Type](#) = Type C

Contact Features:

- Contact Configuration = ACTION PIN Post, Signal
- [Feedthrough Post Length \(mm \[in\]\)](#) = 3.70 [0.145]
- [CompactPCI](#) = No
- [Contact Plating, Mating Area, Material](#) = Performance-Based
- [Grounding Contact](#) = Without
- Contact Style = Short Tail
- Contact Base Material = Phosphor Bronze

Housing Features:

- Connector Style = Plug
- [Mating Alignment](#) = Without
- Housing Color = Gray
- Housing Material = Polyester GF
- UL Flammability Rating = UL 94V-0

Configuration Features:

- [Number of Rows](#) = 5
- [Number of Positions](#) = 55
- [Crosstalk Version](#) = Standard

Industry Standards:

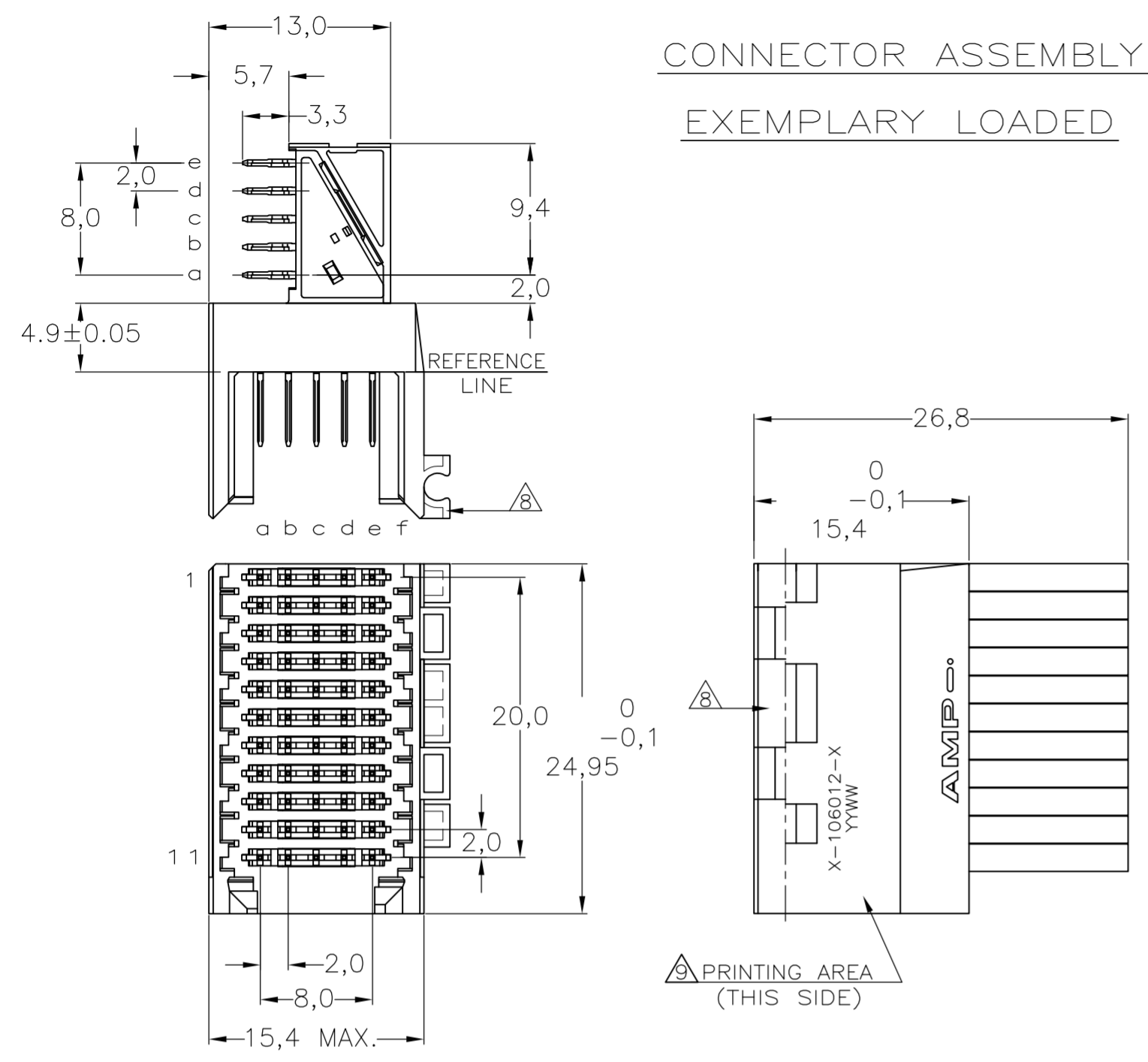
- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process

Other:

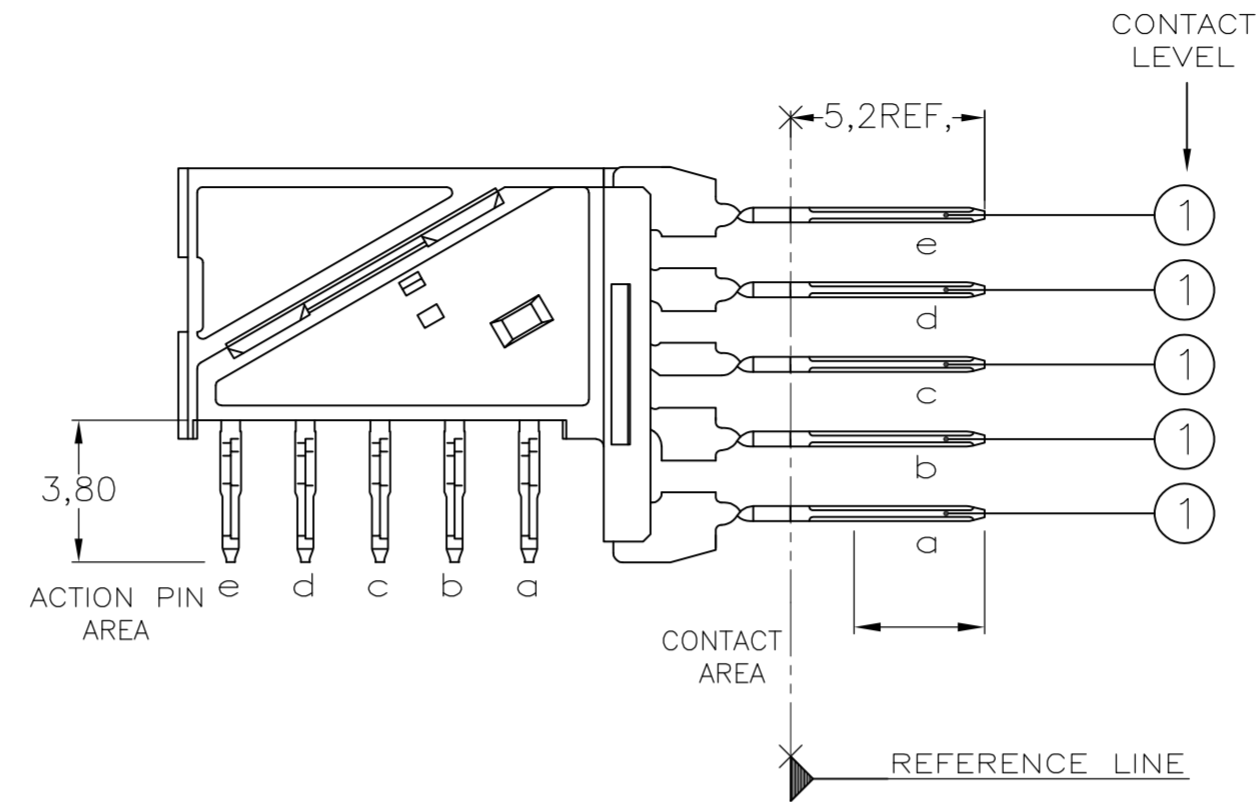
- Brand = AMP
- Comment = Warning: Card extender male connectors should not be used with cable connectors.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
L		EH10-0680-05	30-05-05	BSV	BM
L1		ECR-06-002635	07-02-06	BSV	BM
L2		REVISED PER ECO-09-021826	09JAN10	KK	AEQ

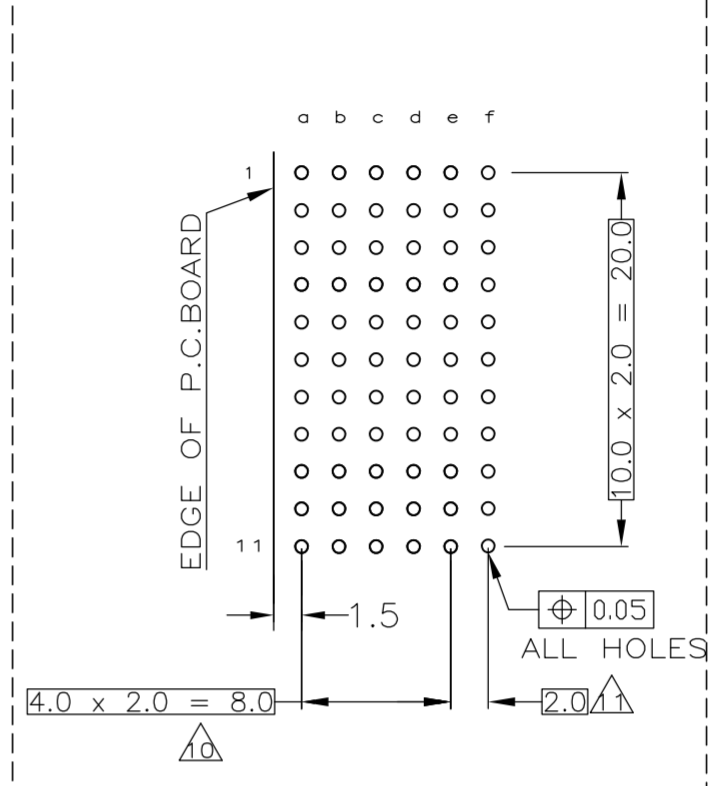
CONNECTOR ASSEMBLY EXEMPLARY LOADED



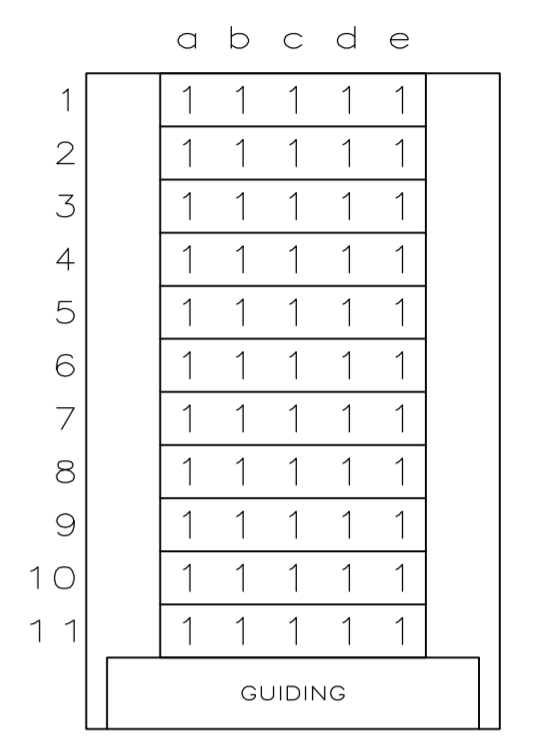
CONTACT DIMENSIONS



RECOMMENDED PCB-HOLE LAY-OUT COMPONENT SIDE SHOWN



CONTACT LAYOUT



P.C.B. HOLE DIM. ACTION PIN
FOR DETAILS SEE
APPLICATION SPECIFICATION

NOTES:

- 1 MATERIAL HOUSING : GREY GLASSFILLED POLYESTER
UL-RATING V0
- CONTACT : PHOSPHORBRONZE
- 2 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.
- 3 CONFORMS TO ALL TESTING ACCORDING IEC 61076-4-101 PERFORMANCE LEVEL 2.
- 4 CONFORMS TO ALL TESTING ACCORDING IEC 61076-4-101 PERFORMANCE LEVEL 1.
- 5 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL III,
CENTRAL OFFICE APPLICATIONS.
- 6 CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL III,
UNCONTROLLED ENVIRONMENT APPLICATIONS.
- 7 CONNECTOR LUBRICATED WITH TELCORDIA GR-1217-CORE APPROVED LUBRICANT.
- 8 CONNECTOR ASSEMBLY WITH LATCH HINGE FOR CABLE CONNECTOR.
- 9 CONNECTOR MARKED WITH PARTNUMBER AND DATECODE
- 10 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID.
- 11 HOLES IN ROW f FOR POSSIBLE FUTURE USE OF
GROUND RETURN SHIELDS. (NOT YET TOOLED)
- 12 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

OBSOLETE	Y			1-106012-9
	N			1-106012-1
	Y			106012-9
OBSOLETE	N			106012-4
	N			106012-1
CONSERVATION TREATMENT		MATERIAL		PARTNUMBER

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN		Tyco Electronics		Tyco Electronics Corporation	
MM		0 PLC	± -	L.v.d.HEIJDEN	15DEC97	s-HertogenBosch, Netherlands,		Z-PACK 2MM HM TYPE C	
		1 PLC	± -	CHK	15DEC97			55 POS. RIGHT ANGLE MALE	
		2 PLC	± -	D. TRUREN				CONNECTOR ASSEMBLY	
		3 PLC	± -	APVD					
		4 PLC	± -	F.v.KONINGSBRUGGE					
		ANGLES	± -	PRODUCT SPEC					
		FINISH	-	APPLICATION SPEC					
MATERIAL				114-19029		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				WEIGHT		A2	00779	C-106012	-
				CUSTOMER DRAWING		SCALE	NTS	SHEET	1 OF 1
								REV	L2

106012

A