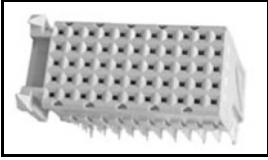


5100161-1 Product Details

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5100161-1

TE Internal Number: 5100161-1

 Active

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

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

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

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
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Documentation & Additional Information

Product Drawings:

- [Z-PACK 2mm HM TYPE C 55 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:

- None Available

CAD Files: (CAD Format & Compression Information)

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

[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 over Nickel

Dimensions:

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

Body Features:

Housing Features:

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

Configuration Features:

- [Number of Rows](#) = 5
- [Number of Positions](#) = 55
- [Crosstalk Version](#) = Standard
- [Shielded](#) = No
- Rows Loaded = E, D, C, B, A

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV

- [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

compliant

- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Flammability Rating = UL 94V-0

Packaging Features:

- Packaging Quantity = 22

Other:

- Brand = AMP

Corporate Information

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- [AODA Multi-Year Accessibility Plan](#)

Quick Links

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

Customer Support

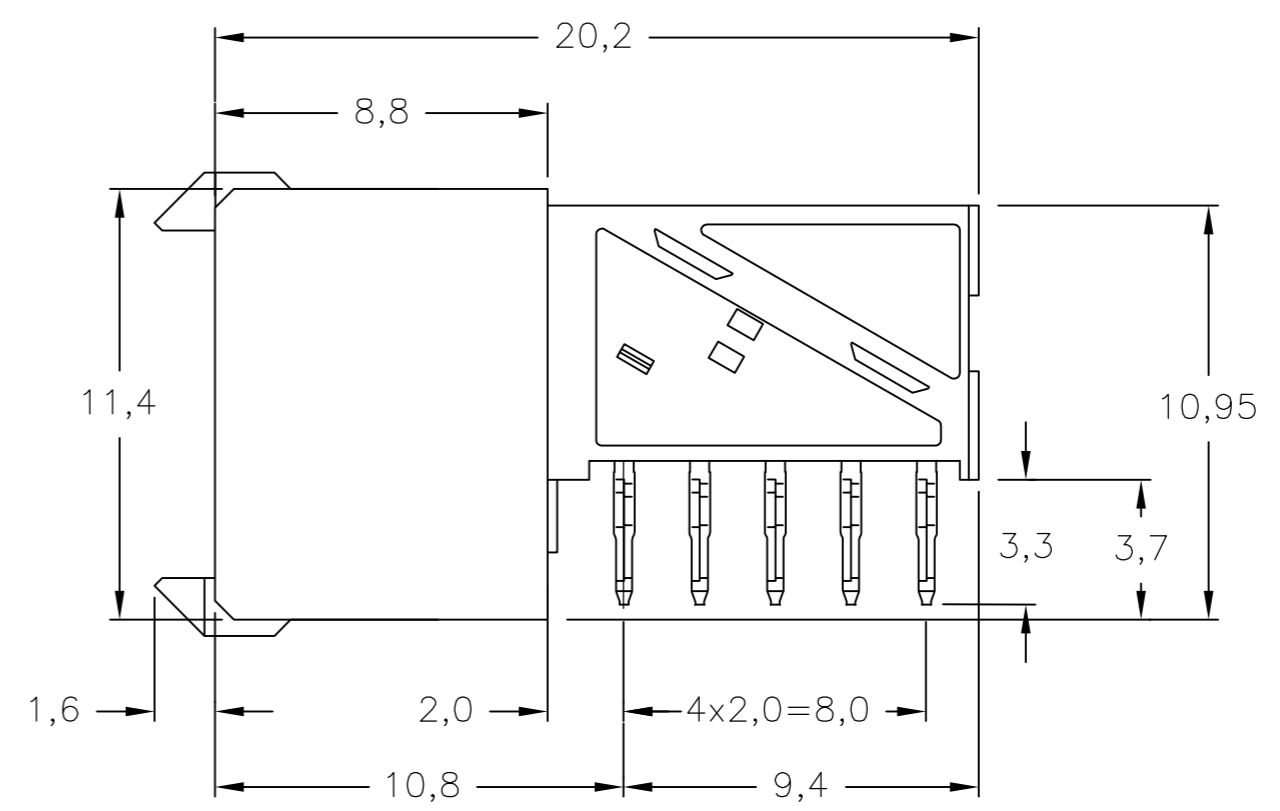
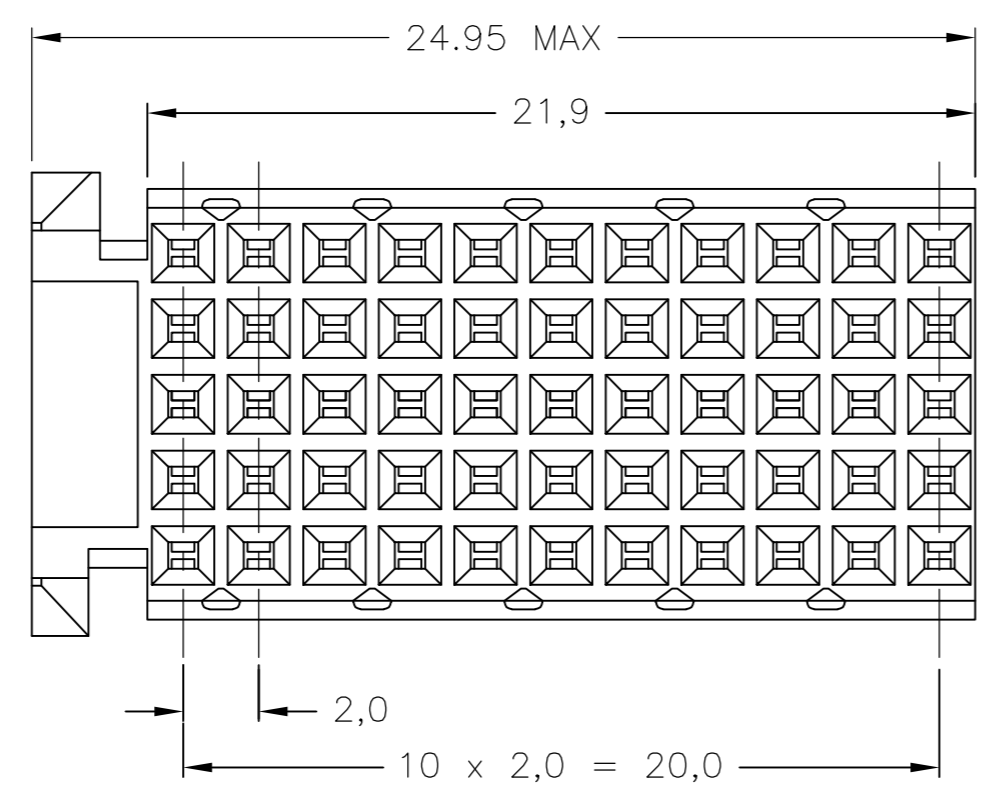
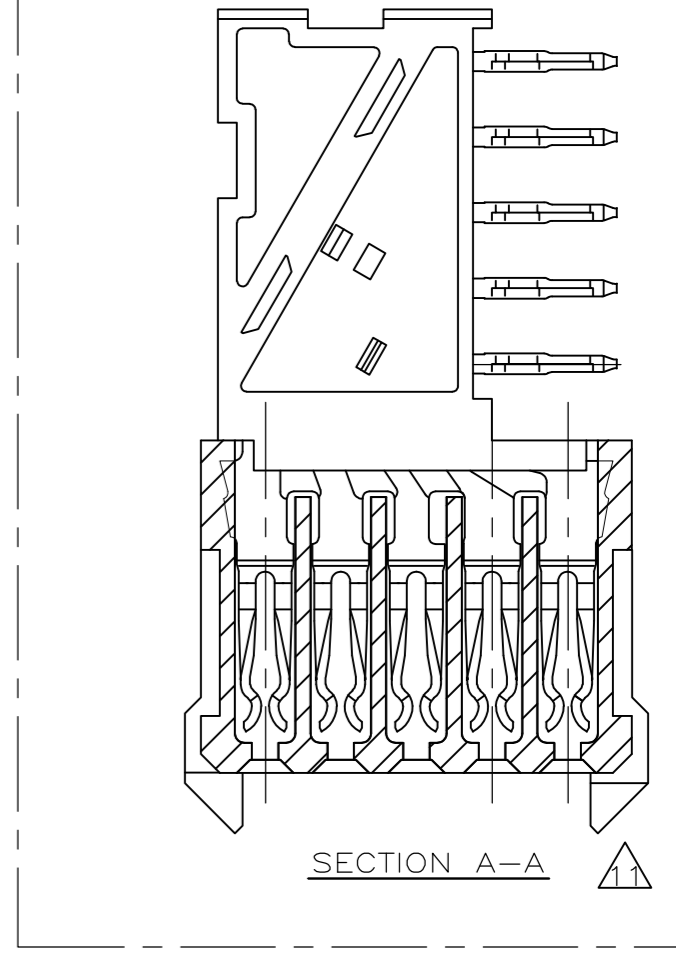
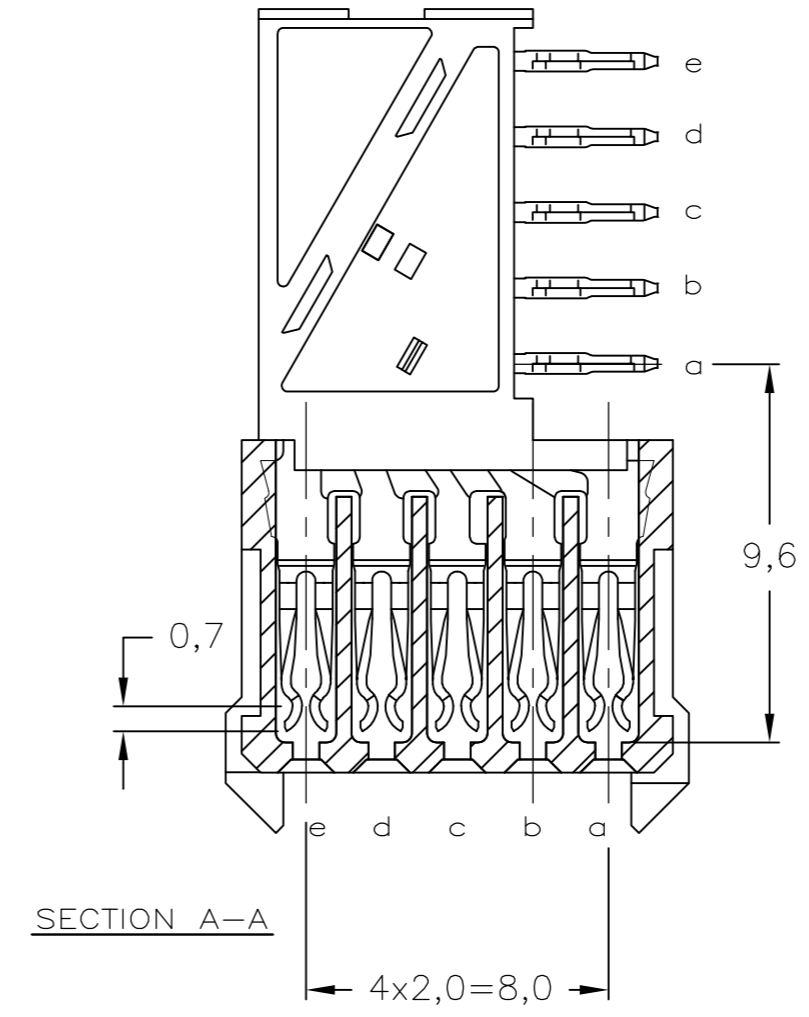
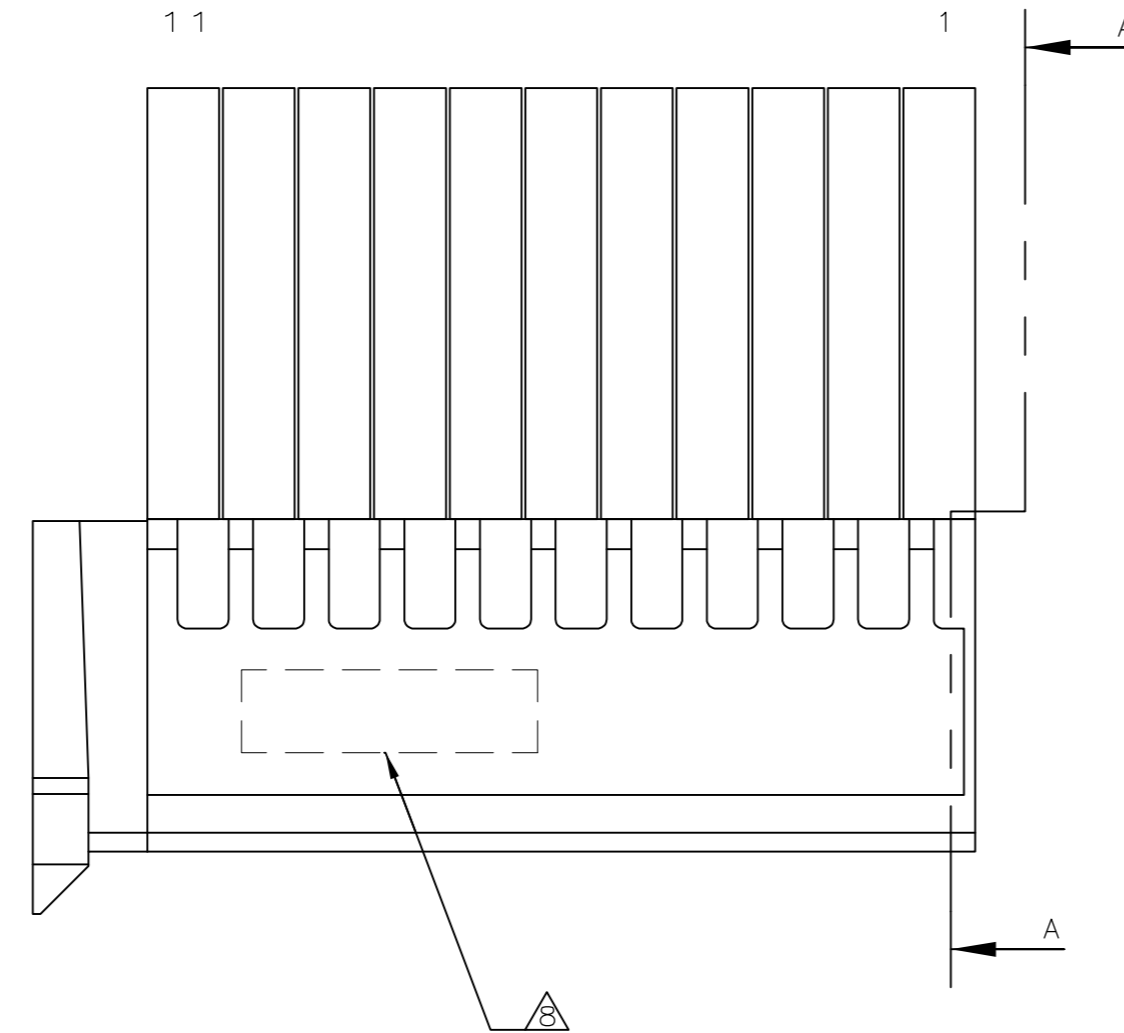
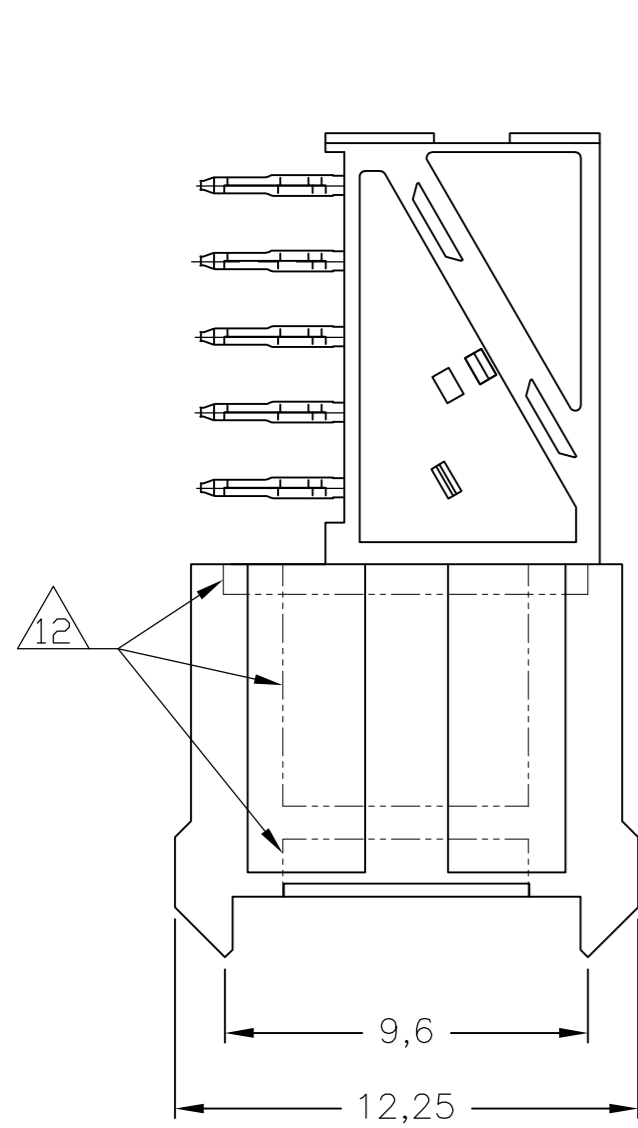
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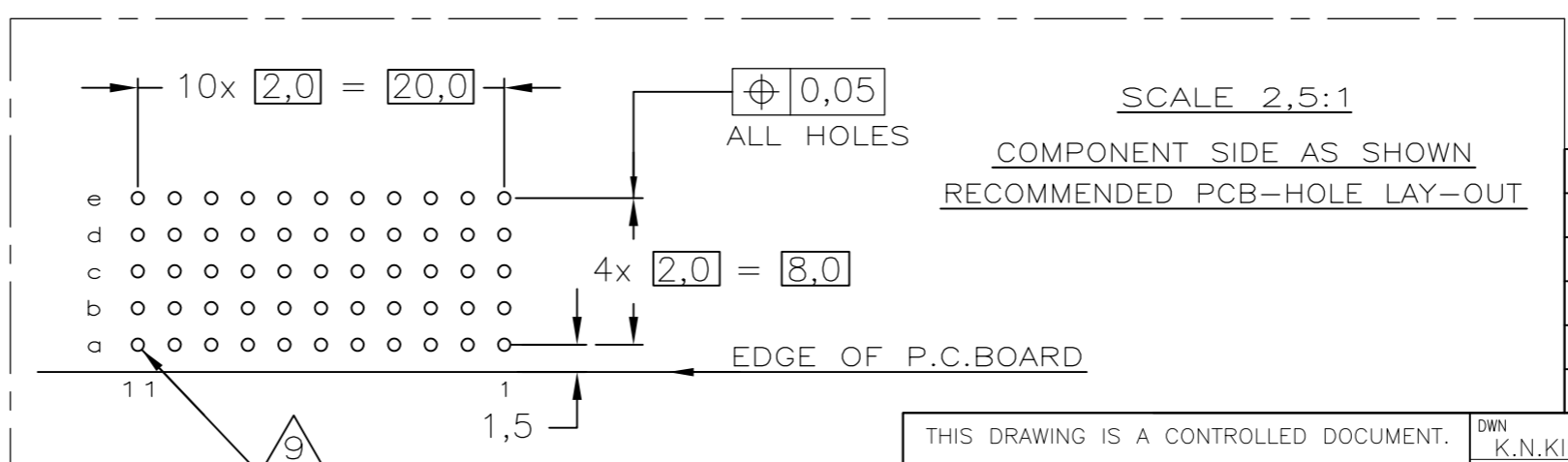
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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
F		ECR-12-007088	17APR2012	SY	AC		



NOTES:

- 1 MATERIAL CONTACT; PHOSPHORBRONZE
MATERIAL HOUSING; GLASSFILLED POLYESTER (GRAY)
UL-RATING 94V0.
- 2 GENERAL PLATING SPECIFICATION: UNDERPLATING (ENTIRE CONTACT): 1,27µm NICKEL MIN.
AND ACTION PIN: 0,5µm TIN 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 PRINTED WITH PARTNUMBER AND DATECODE
THE MARKING CAN APPEAR ON THE FRONT SIDE OR ON THE BACK SIDE.
- 9 PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID. 55 HOLES
- 10 FITS WITH INTEGRATED GROUND RETURN UPPERSHIELD, BASIC P.N. 5352111
AND INTEGRATED GROUND RETURN LOWERSHIELD, BASIC P.N. 5352112
- 11 CONNECTOR ASSEMBLED WITH REDESIGNED CONTACTS.
CONTACTS HAVE A CORING-OUT IN THE PLASTIC.
ALTERNATE CORING-OUT IN HOUSING; NON-FUNCTIONAL.
- 12 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
- 13 0,76µm MIN. GOLD PLATING AT MATING SURFACES.



FINISH	MATERIAL	PART NUMBER
2 3 4	1	3-5100161-0
2 6 7	1	1-5100161-9
2 6 7	1	5100161-9
2 4	1	5100161-4
2 3	1	5100161-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: ±0.2	DWN K.N.KIRAN 06AUG2004		TE Connectivity Z-PACK 2mm HM TYPE C 55 POS. FEMALE CONNECTOR
MATERIAL	FINISH	CHK B.MOOIJ 22SEP2004		
		APVD B.MOOIJ 22SEP2004		
		PRODUCT SPEC 108-19082		
		APPLICATION SPEC 114-19029	NAME	RESTRICTED TO
		WEIGHT	SIZE A2	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO. C=5100161	SCALE 4:1
			SHEET 1 of 1	REV F

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