![TE connectivity logo]

My Cart | My Part Lists | Sign In/Register   English (Change)

Have a Question?
Chat with a Product
Information Specialist   What can we help you find?

Products   **Industries**   **Resources**   **About TE**   **My Account**   **Innovation**   **Support Center**

5106015-1 Product Details

➕ **Share**   🖨 **Print**   ✉ **Email**
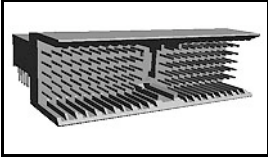
5106015-1

TE Internal Number: 5106015-1

✅ Active

📄 View 3D PDF

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

View all Features

Quick Links

- ▷ Pricing & Availability
- ▷ Search for Tooling
- ▷ Product Feature Selector
- ▷ Contact Us About This Product

Add to My Part List   Request Sample   Find Similar Products

Buy Product

Documentation & Additional Information

Product Drawings:
- Z-PACK 2mm HM TYPE A 110 POS. RIGHT ANGLE MALE CONNE... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

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)

Additional Information:
- Product Line Information

Related Products:
- Tooling

List all Documents

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]) = 50.00 [1.968]

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
- Number of Positions = 110
- Crosstalk Version = Standard
- Shielded = No
- Rows Loaded = A, B, C, D, E

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV

Body Features:
- Type = Type A

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
- 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 = 11

Other:
- Brand = TE Connectivity
- Comment = Connector conforms to all testing according to IEC 61076-4-101, Performance Level 2.

THIS DRAWING IS UNPUBLISHED.
RELEASED FOR PUBLICATION — .— .
© COPYRIGHT — By —
ALL RIGHTS RESERVED.

CONTACT DIMENSIONS

CONNECTOR ASSEMBLY
EXEMPLARY LOADED
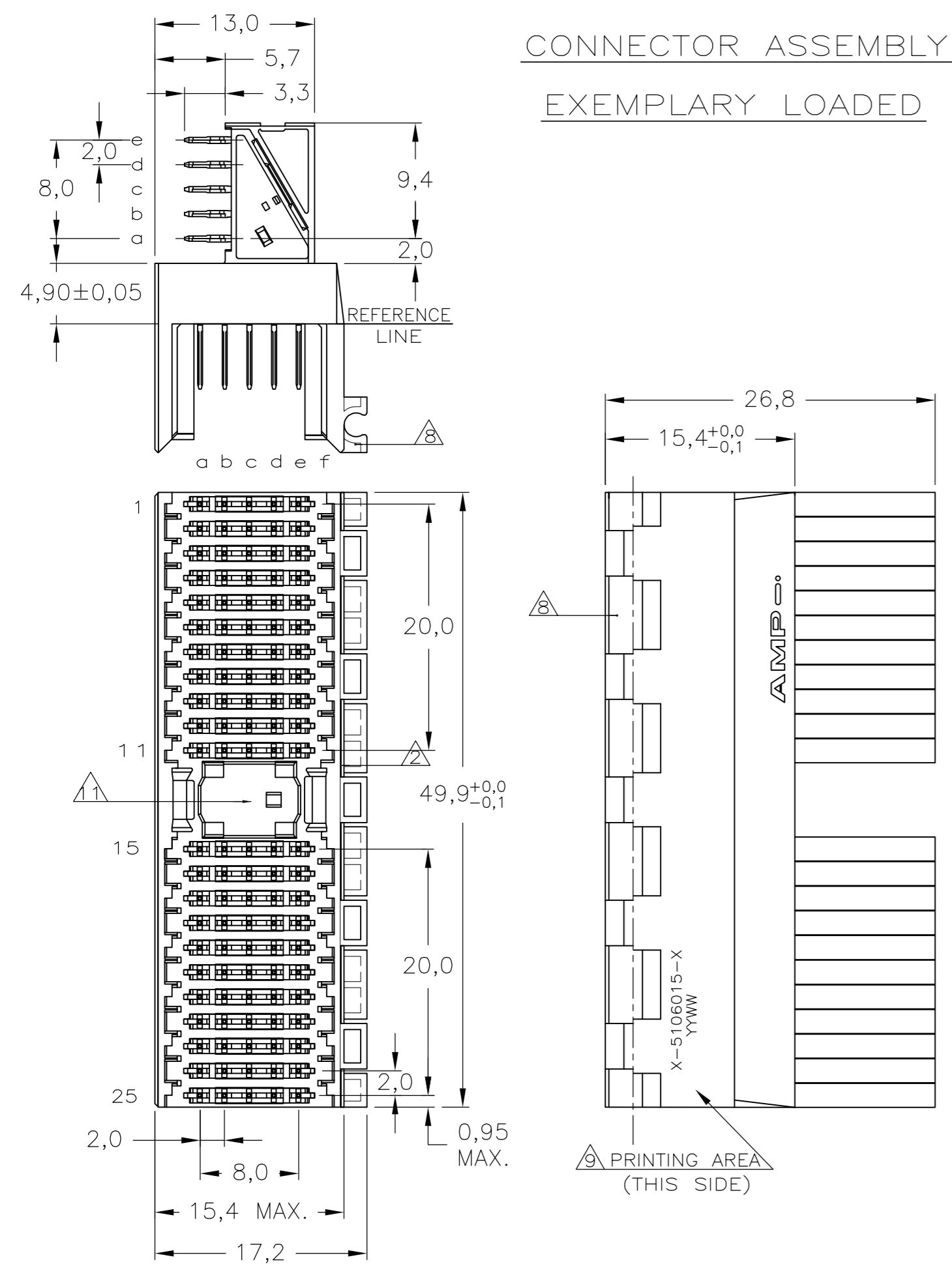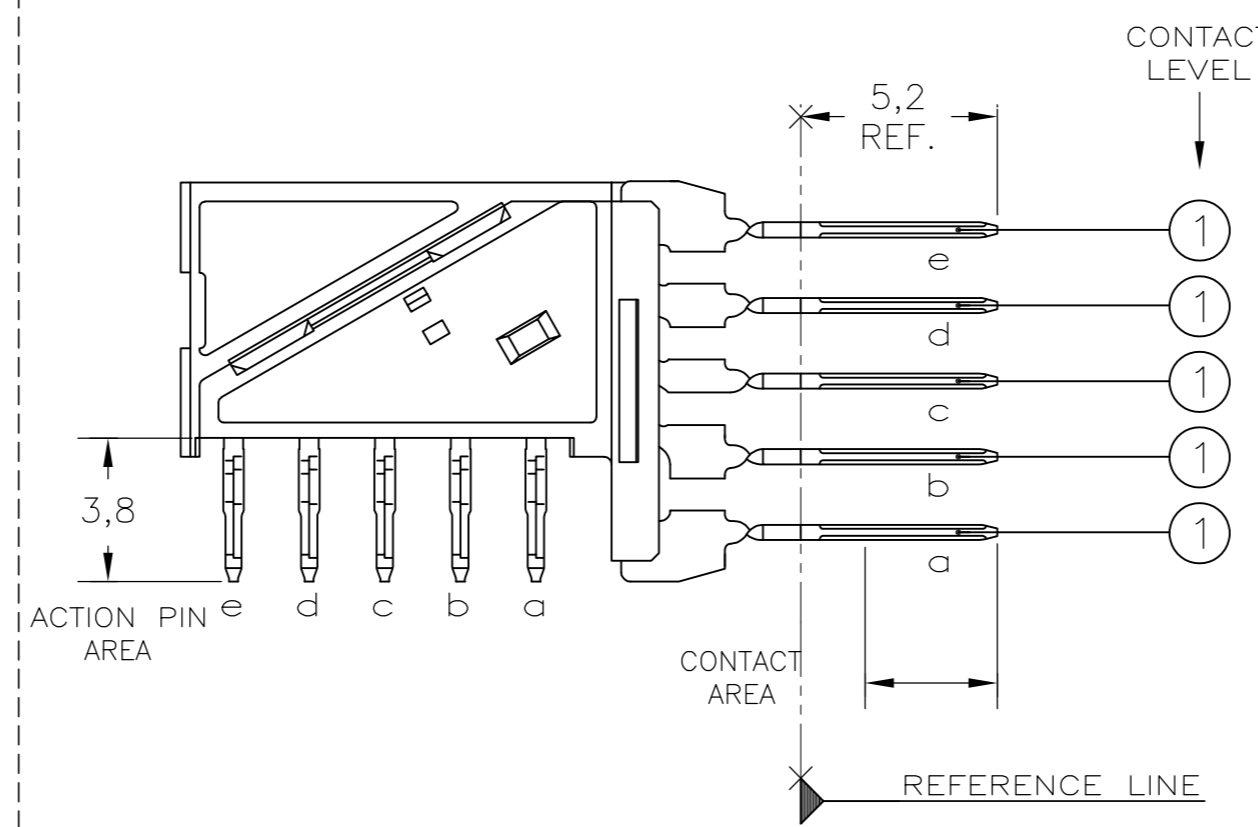
13,0
5,7
3,3
2,0 e d c b a
8,0
4,90±0,05
9,4
2,0
REFERENCE LINE

26,8
15,4 +0,0 −0,1
AMP
X-5106015-x YYWW
9 PRINTING AREA (THIS SIDE)

a b c d e f

20,0
11
49,9 +0,0 −0,1
15
20,0
25
2,0
0,95 MAX.

2,0
8,0
15,4 MAX.
17,2

CONTACT LEVEL
5,2 REF.
e
d
c
b
a
1
1
1
1
1

3,8
ACTION PIN AREA e d c b a
CONTACT AREA
REFERENCE LINE

RECOMMENDED PCB-HOLE LAY-OUT
COMPONENT SIDE SHOWN

EDGE OF P.C.BOARD

a b c d e f
1
11
15
25

2,0=20,0
10x 2,0=20,0
8,0
24x 2,0=48,0
10x 2,0=20,0

⊕ 0,05
ALL HOLES

1,5
4x 2,0 = 8,0
2,0

CONTACT LAYOUT

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

5106015
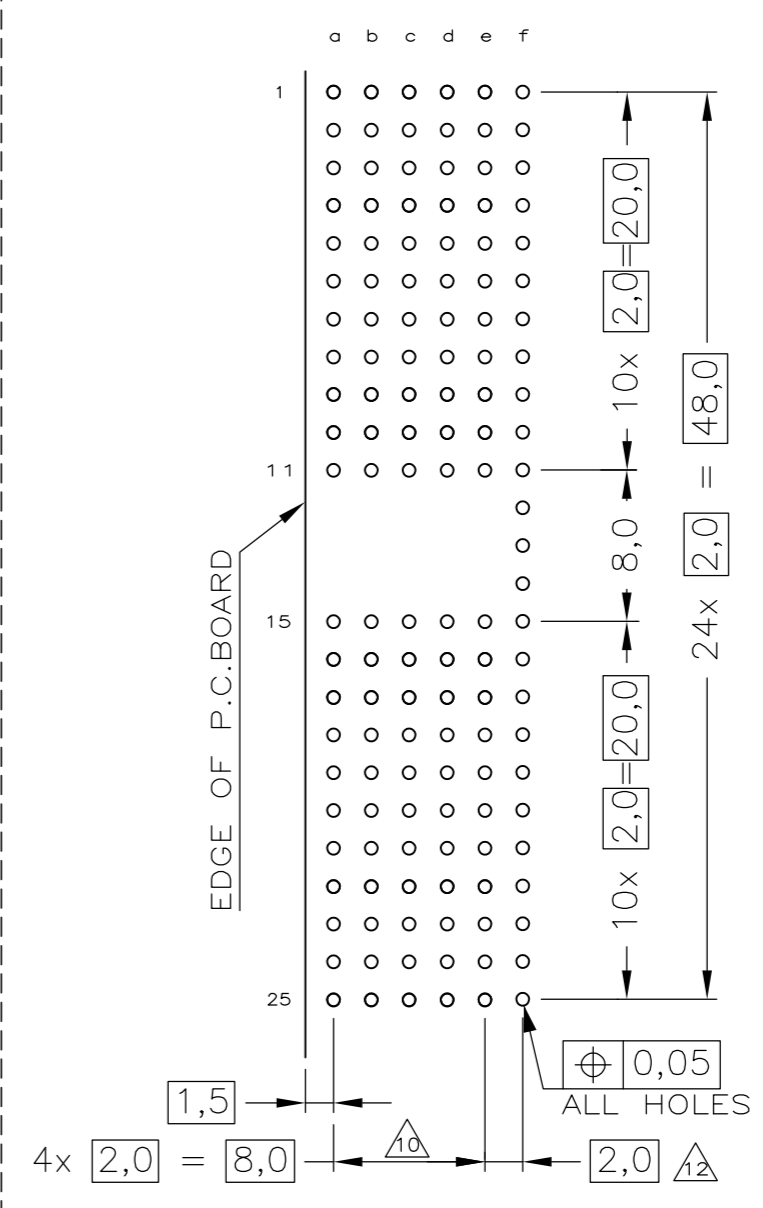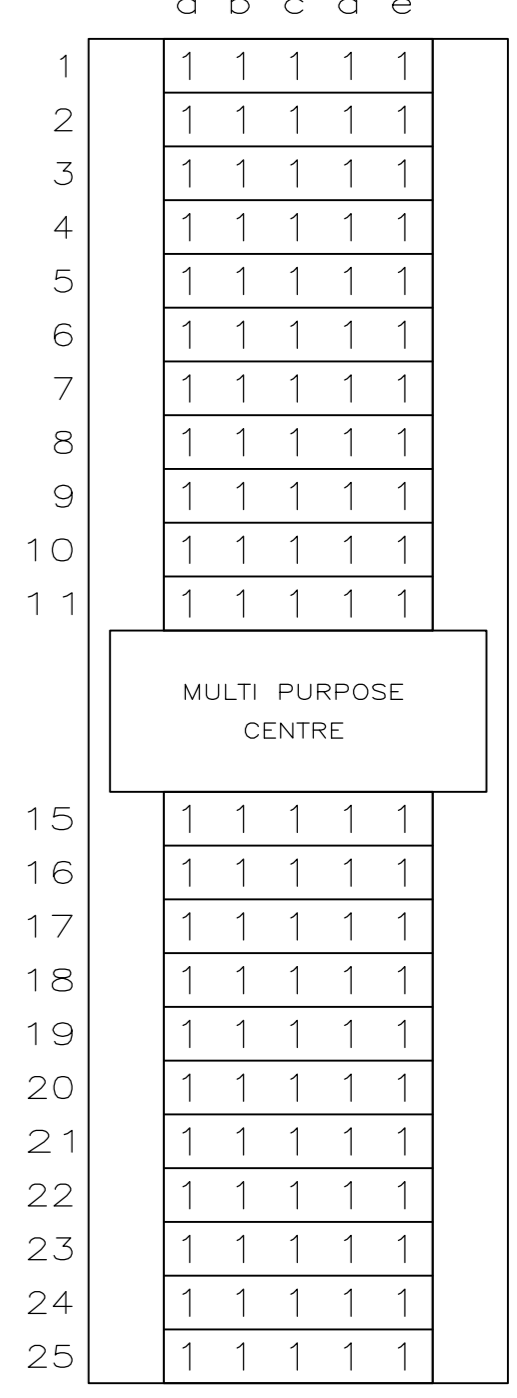
P.C.B. HOLE DIM. ACTION PIN
FOR DETAILS SEE
APPLICATION SPECIFICATION

			PART NUMBER
N		3 1	3-5106015-0
Y		6	1-5106015-9
N			1-5106015-1 8
Y		5	5106015-9
N		4	5106015-4
N		3	5106015-1
CONSERVATION TREATMENT		CONTACT FINISH	PART NUMBER

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 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 AREA FOR KEYING PART (BASIC PART NUMBER 100525).

12 HOLES IN ROW f FOR POSSIBLE FUTURE USE OF GROUND RETURN SHIELDS. (NOT YET TOOLED)

13 0.76um MIN. GOLD PLATING AT MATING SURFACE

1471-9 (3/11)