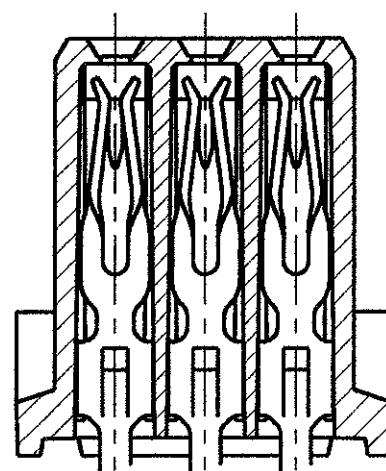


P.C.B. HOLE DIM. ACTION PIN

DRILLED HOLE	: 1,15 ± 0,025	mm
FIN. HOLE	: 0,94 to 1,09	mm
AFTER REFLOW	: 0,91 to 1,09	mm
Cu-thks	: 0,025 to 0,075	mm
SnPb-thks	: 0,004 to 0,010	mm

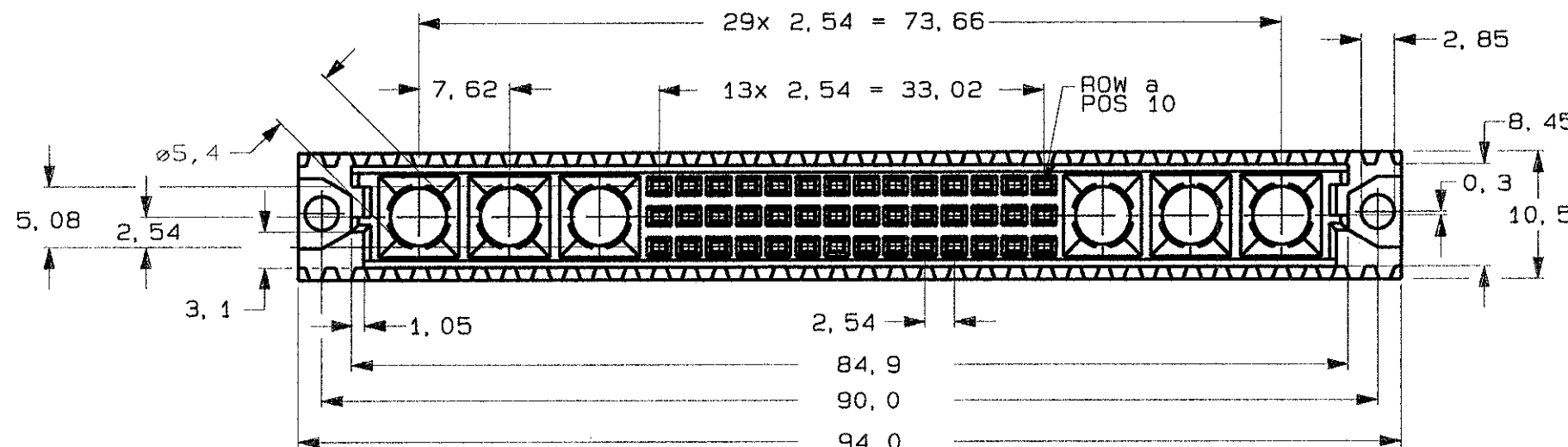
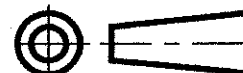


DO NOT SCALE

DIMENSIONS IN mm

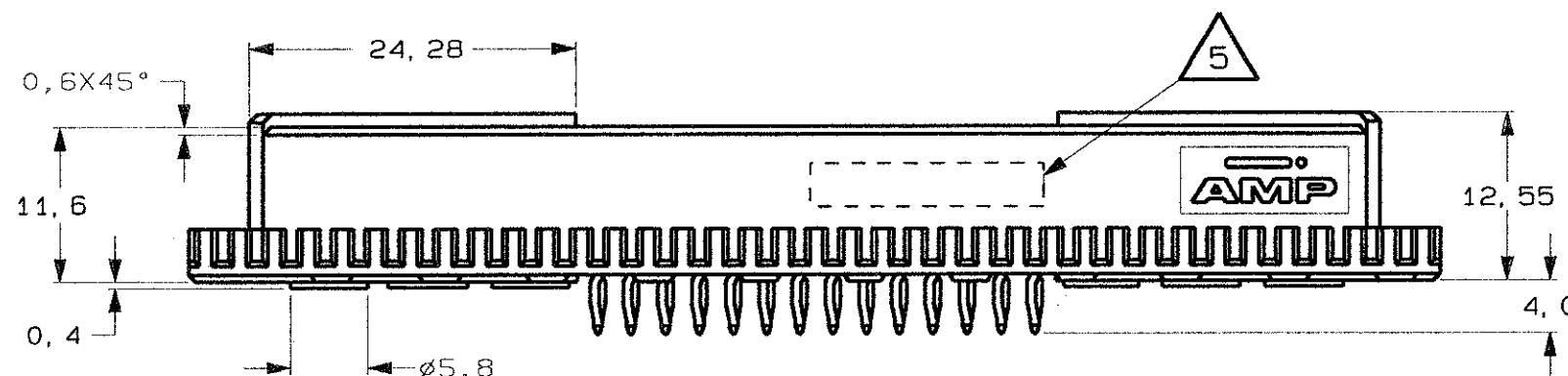
METRIC

THIRD ANGLE
PROJECTION



NOTES

- 1 CONNECTOR MEETS REQUIREMENTS ACC. DIN 41612.
- 2 MATERIAL CONTACT: PHOSPHORBRONZE.
MATERIAL HOUSING: GLASSFILLED THERM. POLYESTER.
- 3 AT CONTACT AREA 1,25µm GOLD OVER 1,25µm NICKEL.
REMAINDER 1,25µm TIN-LEAD (93/7).
- 4 AT CONTACT AREA 0,8µm GOLD OVER 1,25µm NICKEL.
REMAINDER 1,25µm TIN-LEAD (93/7).
- 5 CONNECTOR PRINTED WITH PARTNUMBER AND DATECODE
ON OUTSIDE OF MATING AREA OF ROW c.



ROW	a	b	c
POS	32	31	30
	29	28	27
	26	25	24
	23	22	21
	20	19	18
	17	16	15
	14	13	12
	11	10	9
	8	7	6
	5	4	3
	2	1	

AN ASTERISK , , X ' ' DENOTES A SIGNAL CONTACT.
AN ASTERISK , , o ' ' DENOTES A POWER CAVITY.

OBS	4	2	216981-4
	3	2	216981-1
CUSTOMER	FINISH	MATERIAL	PARTNUMBER
	AMP-HOLLAND B.V. 's-Hertogenbosch, The Netherlands.		
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DR.	DATE	WIRE RANGE	NAME
R.v.Lokven	29.11.90	-	42 POS FEMALE CONN. ASS'Y
CHK.	DATE	INSUL. RANGE	TYPE M WITH ACTION-PIN
J.v.Grunsvan	-	-	FOR 2, 4-3, 2mm P.C. BOARD THK'S.
APP.	DATE	SIZE	SHEET
L.v.Soest	-	A3	1 OF 1
DWG. No.		216981	
REV. DATE		REV. LTR.	
D M Y		A	
090298			

8

7

6

5

4

3

2

1

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AMP

216981-4 -- 2 of 5 products

Active

[Active](#)**(Tyco Electronics P/N: 216981-4)**

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			Related Documents	General Information
			Pricing	Product Availability

Please use the customer drawing for all design activity.**■ Customer Drawing: 216981, Rev. A**

Document Title: 42 positions female connector assembly type m

[189037.pdf](#) [189037.pdf](#) (71K)

The photographs and/or line drawings below are representative images of a product for viewing purposes only.

[Contact Arrangement](#)[Recommended PC Board Hole Pattern](#)[Product Photo](#)

Searchable Features:

Brand:	AMP
Product Series:	Type M
Product Type:	Connector
Mating Type:	Receptacle
No. of Power or Coaxial Contacts:	6
No. of Signal Contacts:	42
Mount Angle:	Vertical
PCB Thickness (mm [in]):	2.36-3.18 [.093-.125]
Post Type:	ACTION PIN
Termination Post Length (mm [in]):	3.99 [.157]
DIN Level:	II
Application:	Standard

Other Properties:

Contact Type:	Coaxial, Power
Loaded with Single Contacts Only:	Yes
Rows Loaded:	A, B, C
Contact Material:	Phosphor Bronze
Housing Material:	Glass-Filled Thermoplastic Polyester
Color:	Gray
Housing Flammability Rating:	UL 94V-0
Contact Mating Area Plating:	Gold (30) over Nickel (50)
Comment:	B.T.B. Posts are already shortened to total length of 4.0 mm.

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