

LOC	DIST	REVISIONS					
E	B	P	LTR	DESCRIPTION	DATE	DWN	APVD
			C	ECR-07-027685	16NOV07	JMS	FWK

NOTES:

- | | |
|---|---|
| 1 | SINGLE PACK IN ACCORDANCE WITH SPEC 107-3275 |
| 2 | 100 BULK PACK IN ACCORDANCE WITH SPEC 107-3275 |
| 3 | GOLD PLATING |
| 4 | PASSIVATED |
| 5 | WHITE BRONZE PLATING |
| 6 | PLATING AS PER BODY, EXCEPT FOR PASSIVATED WHICH IS NICKEL PLATED |

- 7 HAND TOOL 9-1478240-0
8 DIE SET 9-1478248-0

9 ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE:

BRASS BODY:

DC - 6 GHz

STAINLESS STEEL (PASSIVATED): DC – 12.4 GHz

STAINLESS STEAL (GOLD): DC - 18 GHz

NOMINAL IMPEDANCE: 50 Ohm

INSULATION RESISTANCE: 1000 MOhm

WORKING VOLTAGE: 250 Volts RMS at Sea Level

DIELECTRIC WITHSTAND VOLTAGE: 750 Volts RMS Max

CONTACT RESISTANCE:

CENTRE CONTACT: 6.00 mOhm Max

OUTER CONTACT:	1.00 mOhm Max
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VSWR @ 4GHz: 1.35:1

INSERTION LOSS dB @ x 1.5 GHz: 0.30 Max

10 MECHANICAL CHARACTERISTICS

COUPLING NUT RETENTION FORCE:

N/A

CABLE RETENTION FORCE:

RG174A/U, 188A/U, 316/U, URM95: 267N Min

CLAMP NUT RECOMMENDED TORQUE:

MOUNT NUT RECOMMENDED TORQUE: 0.75N

DURABILITY: 500 C

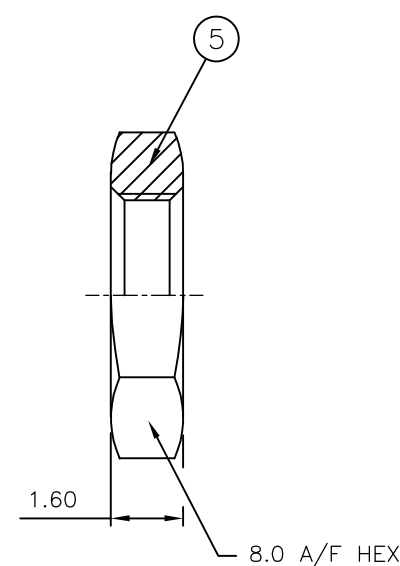
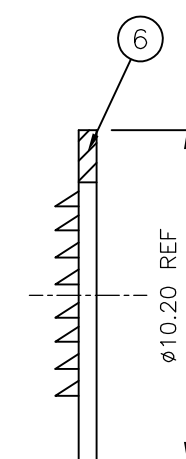
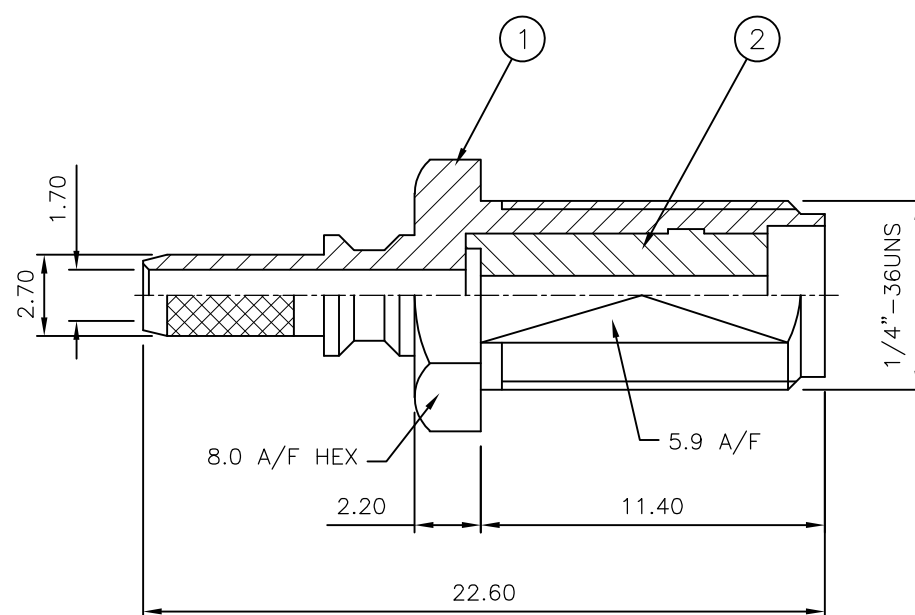
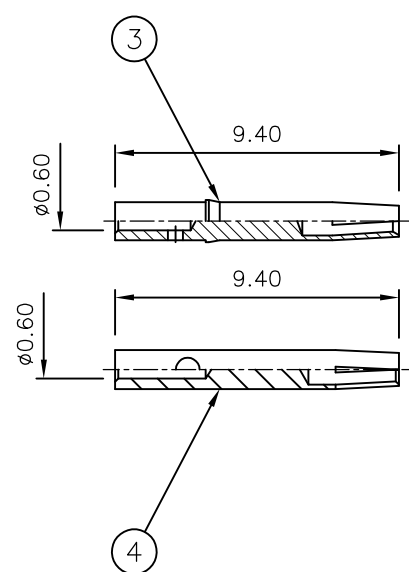
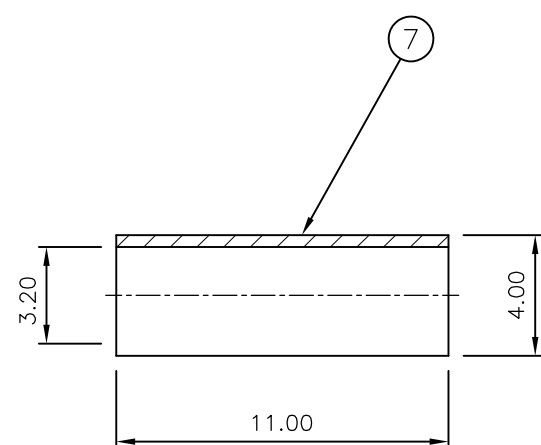
DORBIENT: 500 cycles/min.

11 ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE: -65 to +165 DegC

- 12 FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE

- 13 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED



1	1	1	1	1	1	1	1	1	BRASS		CRIMP FERRULE	7
1	1	1	1	1	1	1	1	1	STAINLESS STEEL		LOCKWASHER	6
1	1	—	—	—	—	—	—	—	BRASS		HEX NUT	5
—	—	1	1	—	—	—	—	—	BRASS		HEX NUT	5
—	—	—	—	1	1	1	1	1	STAINLESS STEEL		HEX NUT	5
—	—	—	—	1	1	1	1	1	BERYLLIUM COPPER		CENTRE SOCKET	4
1	1	1	1	—	—	—	—	—	BERYLLIUM COPPER		CENTRE SOCKET	3
1	1	1	1	1	1	1	1	1	PTFE		INSULATOR	2
1	1	—	—	—	—	—	—	—	BRASS		BODY	1
—	—	1	1	—	—	—	—	—	BRASS		BODY	1
—	—	—	—	1	1	—	—	—	STAINLESS STEEL		BODY	1
—	—	—	—	—	—	1	1	1	STAINLESS STEEL		BODY	1
4--1	4--0	3--1	3--0	2--1	2--0	1--1	1--0		MATERIAL		DESCRIPTION	ITEM
												
QUANTITY PER ASSY									PARTS LIST			

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG R.SMITH 05FEB04		Tyco Electronics Corporation	
		CHK S.PARLOW 05FEB04		Tyco Electronics Bideford, UK, EX39 4HE	
DIMENSIONS: mm		APVD F.WHEELER-KING 05FEB04		NAME	
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± °		SMA BULKHEAD JACK NON CAPTIVE SOLDER CONTACT CRIMP ATTACHMENT RG174A/U, 188A/U, 316/U, KX3B, KX22A, URM95	
MATERIAL SEE TABLE		FINISH -		RESTRICTED TO	
		WEIGHT -		SIZE A2	
				CAGE CODE 00779	
				DRAWING NO C-1478955	
		CUSTOMER DRAWING		SCALE NTS	
				SHEET 1 of 2	
				REV C	

4

3

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

E

B

—

SEE SHEET 1

—

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COMPONENTS

MAIN BODY
(ITEM 1,2)

CENTRE SOCKET
(ITEM 3,4)

NEX NUT
(ITEM 5)

LOCKWASHER
(ITEM 6)

CRIMP FERRULE
(ITEM 7)

ASSEMBLY INSTRUCTIONS

RG174A/U, 188A/U, 316/U, KX3B, KX22A, URM95

STEP 1

1. IF USING HEATSHRINK SLIDE OVER CABLE (HEATSHRINK NOT SUPPLIED AND USED AT CUSTOMER DISCRETION)

2. SLIDE METAL CRIMP FERRULE OVER CABLE

STEP 2

1. STRIP CABLE TO DIMENSIONS AS SHOWN

STEP 3

1. TIN CENTRE CONTACT

2. FIT CONTACT OVER CONDUCTOR

3. SOLDER CONTACT (ITEM 3 OR 4 AS SUPPLIED) TO TINNED CENTRE CONDUCT, DO NOT OVER HEAT

STEP 4

1. PRESS SUB-ASSEMBLY INTO BODY UNTIL CONTACT IS FULLY LOCATED

2. ENSURE THAT KNURLED HOUSING INSERTS BETWEEN THE DIELECTRIC AND CABLE BRAID

STEP 5

1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE BODY HOUSING

2. CRIMP USING TOOL AS NOTED ON PAGE 1

3. CRIMP DIMENSION AS SHOWN

STEP 5

1. IF USING HEATSHRINK PLACE OVER CONNECTOR AS SHOWN AND APPLY

2. FOR BULKHEAD MOUNTING PREPARE HOLE AS SHOWN

3. USE LOCKWASHER (ITEM 6) AND HEX NUT (ITEM 5) TO SECURE CONNECTOR

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

MATERIAL

SEE TABLE

DWN

R.SMITH

05FEB04

CHK

S.PARLOW

05FEB04

APVD

F.WHEELER-KING

05FEB04

PRODUCT SPEC

108-3460

APPLICATION SPEC

411-3276

WEIGHT

-

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation

Bideford, UK, EX39 4HE

NAME

SMA BULKHEAD JACK NON CAPTIVE SOLDER CONTACT CRIMP ATTACHMENT

RG174A/U, 188A/U, 316/U, KX3B, KX22A, URM95

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1478955

RESTRICTED TO

-

SCALE

NTS

SHEET

2 of 2

REV

C

AMP 1471-9 REV 31MAR2000