

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 STEEL (GOLD): DC - 18 GHz

NOMINAL IMPEDANCE: 50 Ohm
INSULATION RESISTANCE: 1000 MΩ

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

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

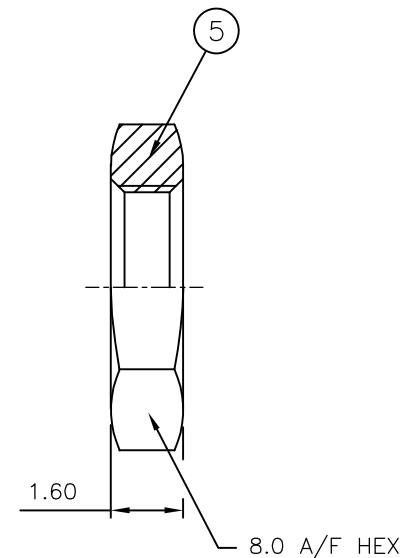
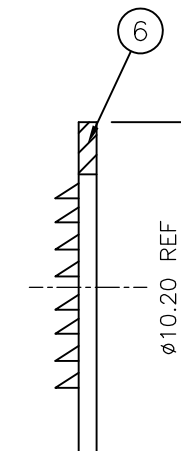
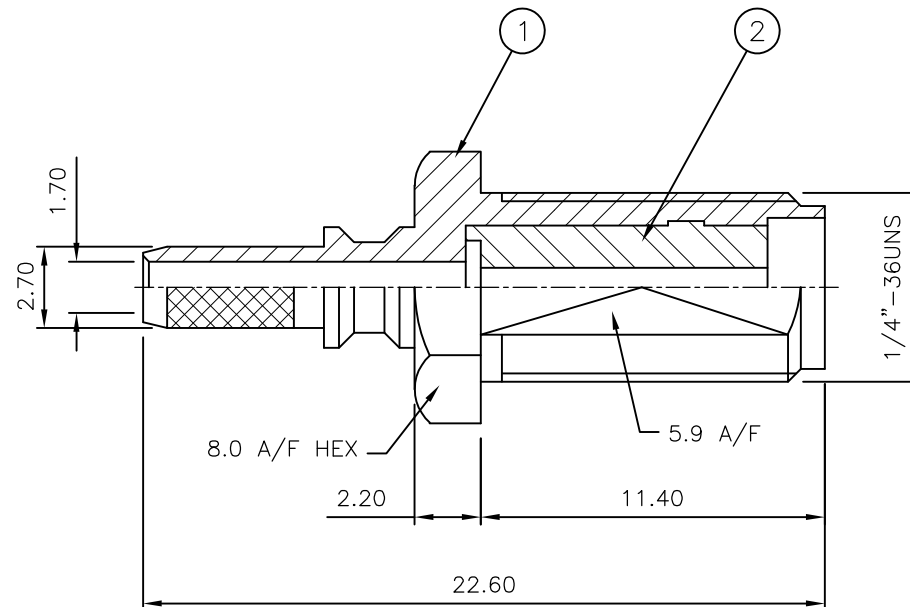
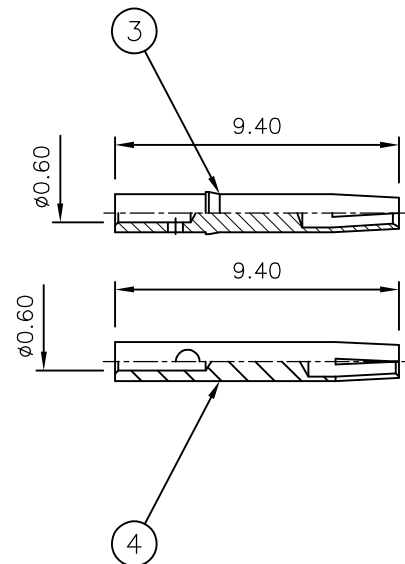
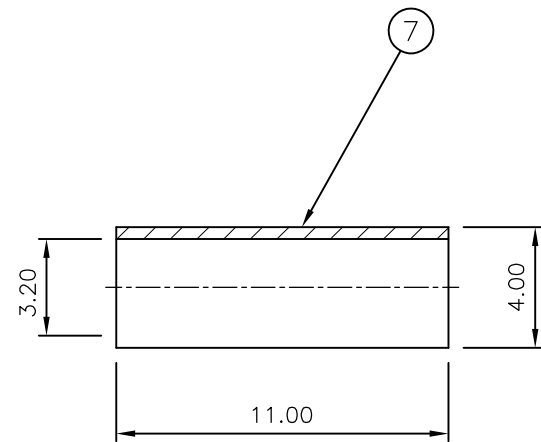
DURABILITY: 500 C

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	55
—	—	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 ASSEMBLY									PARTS LIST			

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.SMITH 05FEB04		Tyco Electronics Corporation	
		CHK S.PARLOW 05FEB04		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		PRODUCT SPEC		RESTRICTED TO	
SEE TABLE		APPLICATION SPEC		SIZE	
		WEIGHT		CAGE CODE	
		-		A2 00779	
		CUSTOMER DRAWING		DRAWING NO	
				C-1478955	
				SCALE	
				NTS	
				SHEET	
				1 of 2	
				REV	
				C	

THIS DRAWING IS UNPUBLISHED.

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APRIL , 2004.

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LOC

DIST

P

LTR

DESCRIPTION

DATE

DWN

APVD

E

B

—

SEE SHEET 1

—

—

—

COMPONENTS

MAIN BODY
(ITEM 1,2)

CENTRE SOCKET
(ITEM 3,4)

NEX NUT
(ITEM 5)

LOCKWASHER
(ITEM 6)

CRIMP FERRULE
(ITEM 7)

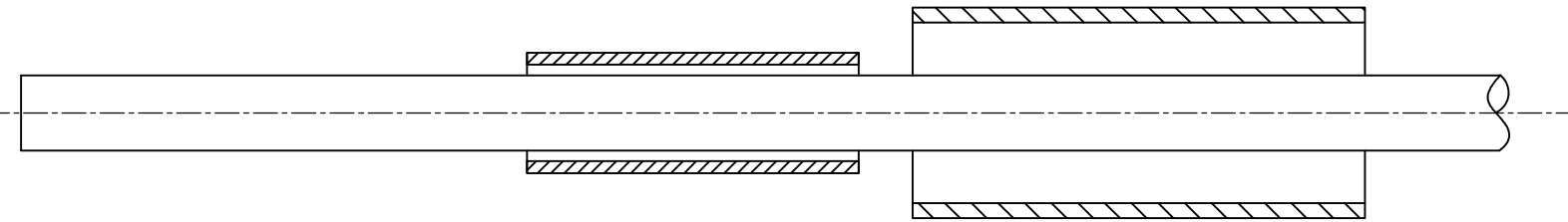
ASSEMBLY INSTRUCTIONS

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

STEP 1

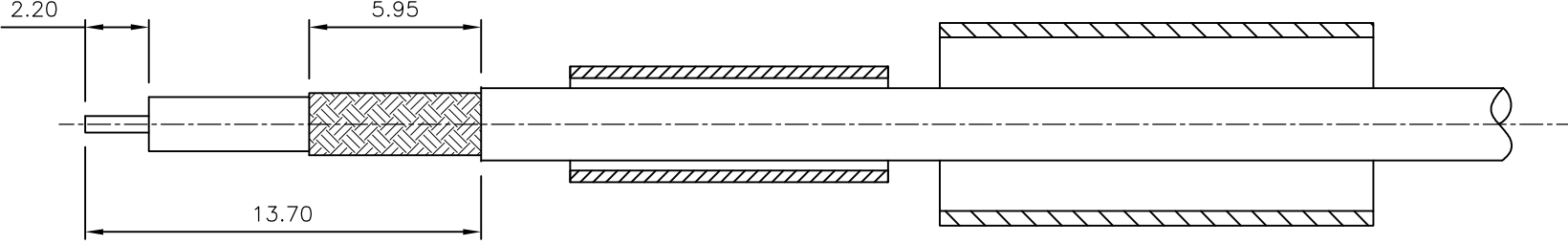
1. IF USING HEATSHRINK SLIDE OVER CABLE (HEATSHRINK NOT SUPPLIED AND USED AT CUSTOMER DISCRETION)

2. SLIDE METAL CRIMP FERRULE OVER CABLE



STEP 2

1. STRIP CABLE TO DIMENSIONS AS SHOWN

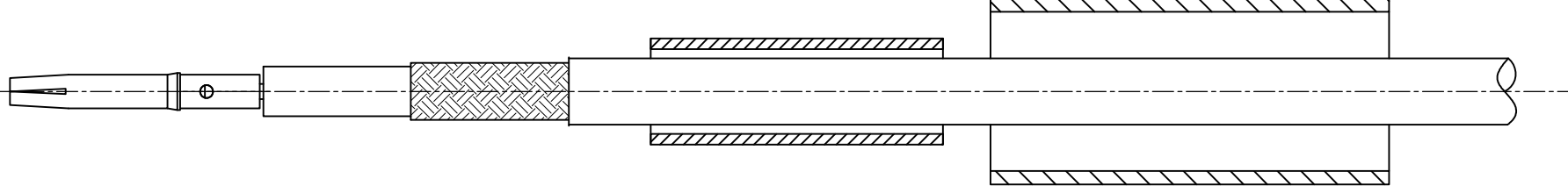


STEP 3

1. TIN CENTRE CONTACT

2. FIT CONTACT OVER CONDUCTOR

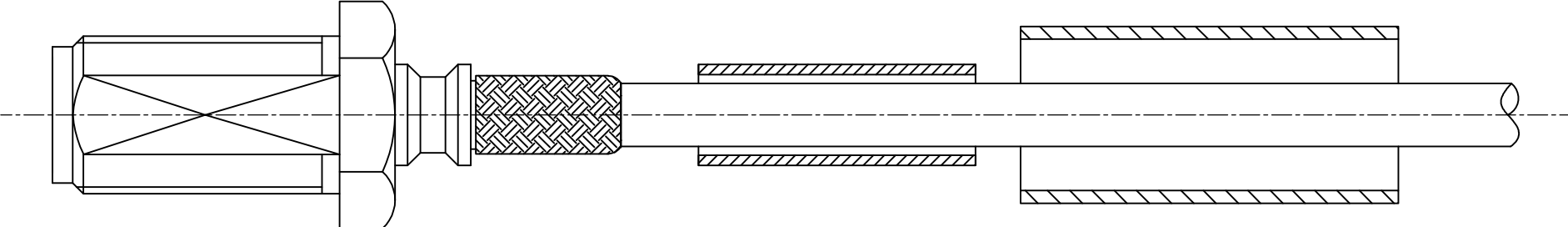
3. SOLDER CONTACT (ITEM 3 OR 4 AS SUPPLIED) TO TINNED CENTRE CONDUCT, DO NOT OVER HEAT



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

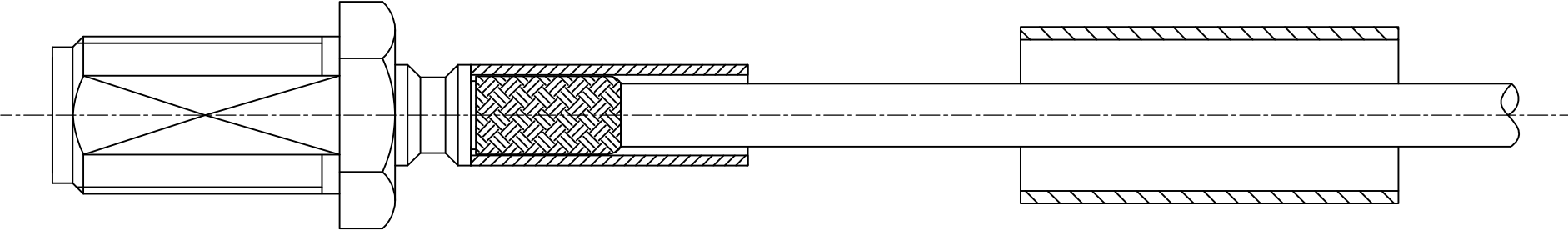


STEP 5

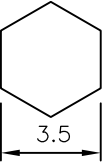
1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE BODY HOUSING

2. CRIMP USING TOOL AS NOTED ON PAGE 1

3. CRIMP DIMENSION AS SHOWN



RECOMMENDED CRIMP SLEEVE A/F HEX

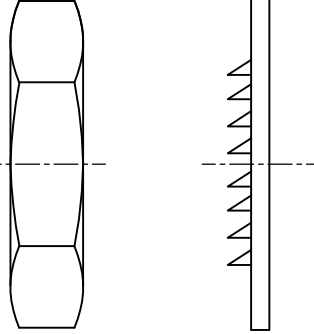


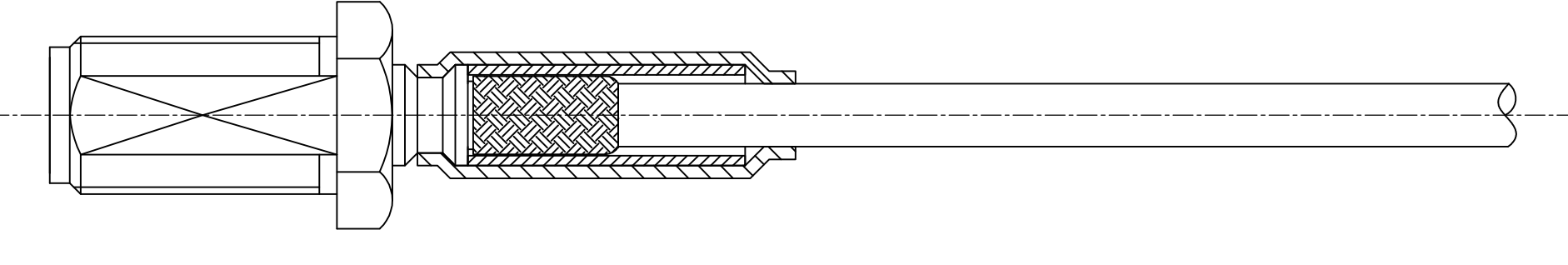
STEP 5

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

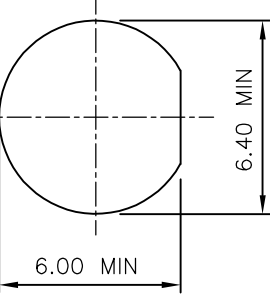
2. FOR BULKHEAD MOUNTING PREPARE HOLE AS SHOWN

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



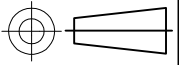


RECOMMENDED MOUNTING HOLE DIM'S



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

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

Tyco Electronics

Tyco Electronics Corporation
Bideford, UK, EX39 4HE

AMP 1471-9 REV 31MAR2000