

EXHIBIT B – UHF and S-band Antenna Specifications

DRAWING NUMBER

Z800040255

SECURITY CLASSIFICATION

UNCLASSIFIED

PROJECTION



IF IN DOUBT ASK

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ALTERATIONS

PICTORIAL VIEW
NOT TO SCALE

SOLDER JOINT

NOTE
ALIGNMENT

- NOTE
1. SOLDER ITEMS 1-4 USING ITEMS 5 AND 6
 2. BIND ITEMS 2 AND 3 USING ITEM 7 BEFORE SOLDERING
 3. FOLLOW ASSEMBLY PROCESS PROCEDURE Z8B-PI-0047

ITEM NO.	PART NUMBER	REVISION	DESCRIPTION	QTY.
1	Z800040256	A	UHF ANTENNA 455 MHz COAX	1
2	Z800040257	A	UHF ANTENNA 455 MHz DIPOLE	1
3	Z800040258	A	UHF ANTENNA 455 MHz BALUN	1
4	C-1050525	N/A	STRAIGHT 50Ω CABLE MOUNT SMA CONNECTOR PLUG SOLDER TERMINATION RG402 (TE CONNECTIVITY)	1
5	ANSI/IPC J-STD-004	N/A	ROSN GRADE WW FLUX TYPE ROLO	AS REQD
6	RS 226-243	N/A	MULTICORE WIRE SOLDER Ø0.5 217°C MELTING POINT HALIDE FREE 95.5% TIN 3.5% SILVER 0.7% COPPER (RS 226-243)	AS REQD
7	RS 390-561	N/A	35 SWG TINNED ANNEALED SOLID COPPER HOOK UP WIRE (RS 390-561)	AS REQD

SECURE WITH 6 TURNS OF
HOOK UP WIRE AND SOLDER
2 POSN SEE NOTE 2

SOLDER JOINT

SOLDER JOINT

DETAIL A
SCALE 2 : 1

DETAIL B
SCALE 2 : 1

DIMENSIONS mm	EST. MASS	© COPYRIGHT AIRBUS 2018	AIRBUS DEFENCE & SPACE		INITIAL ISSUE	
SCALE 1:2	21.14g				CREATED S. PARFITT	CHK
MATERIAL N/A	SPECIFICATION N/A	SURFACE FINISH $\sqrt{Ra\ 1.6}$	TITLE UHF ANTENNA 455 MHz ASSEMBLY		RESPONSIBLE ENGINEER	PA APPROVAL
FINISH CLEAN	SPECIFICATION N/A	TOLERANCE GENERAL ISO 2768-mK	SECURITY CLASSIFICATION UNCLASSIFIED	MODIFICATION No.	DATE: 24-08-2018	31/08/18
			DRAWING NUMBER Z800040255	TYPE AS	No OF SHEETS 1	ISSUE 1
						A

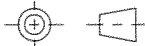
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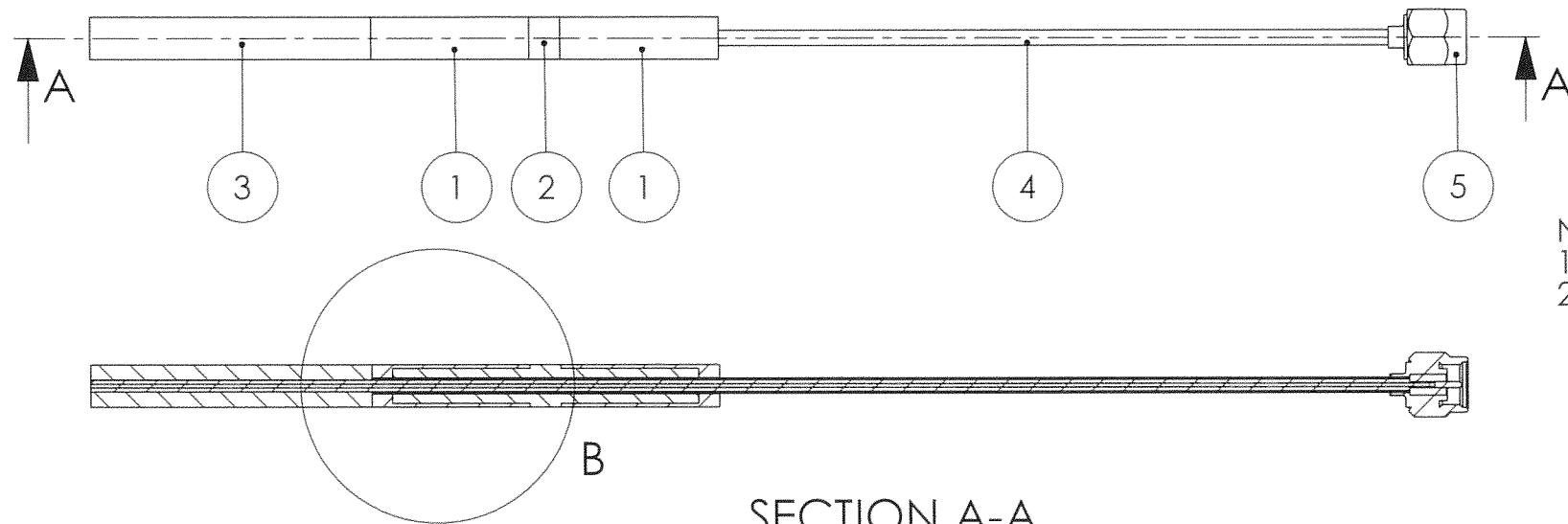
PROJECTION



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ALTERATIONS



NOTE

1. SOLDER ITEMS 1 AND 4 AND 5 USING ITEMS 6 AND 7
2. SECURE ITEM 3 USING KAPTON TAPE ITEM 8 EVENLY WRAPPED OVER ITEMS 1 AND 3

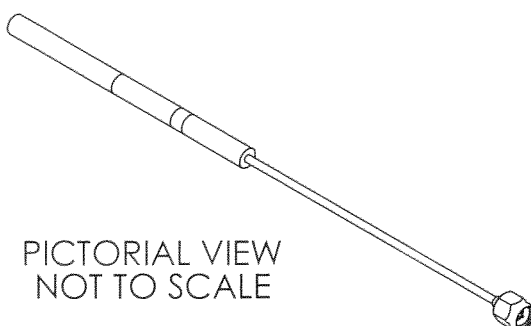
SECTION A-A

SOLDER BALUN FLUSH WITH
TERMINATED COAX SHIELD

POSITION SLEEVE DIELECTRIC
FLUSH WITH BALUN BEFORE
SOLDERING

DETAIL B
SCALE 2 : 1

APPLY 1 TURN OF KAPTON TAPE
EVENLY ABOUT JOINT



ITEM NO.	PART NUMBER	REVISION	DESCRIPTION	QTY.
1	Z800040250	A	BALUN SKIRT 2.412 GHz	2
2	Z800040251	A	SLEEVE DIELECTRIC 2.412 GHz	1
3	Z800040252	A	RADIATING DIELECTRIC 2.412 GHz	1
4	Z800040253	A	2.412 GHz S-BAND COAX	1
5	C-1050770	N/A	STRAIGHT 50Ω CABLE MOUNT SMA CONNECTOR PLUG SOLDER TERMINATION RG405 (TE CONNECTIVITY)	1
6	ANSI/IPC J-STD-004	N/A	ROSIN GRADE WW FLUX TYPE ROLO	AS REQD
7	RS 226-243	N/A	MULTICORE WIRE SOLDER Ø0.5 217°C MELTING POINT HALIDE FREE 95.5% TIN 3.5% SILVER 0.7% COPPER (RS 226-243)	AS REQD
8	51408	N/A	KAPTON FLAME RETARDANT HIGH TEMPERATURE MASKING TAPE SILICONE ADHESIVE BACKING 12mm WIDE (TESA RS 436-2762)	AS REQD

DIMENSIONS mm		EST. MASS 14.31g	© COPYRIGHT AIRBUS 2018	 AIRBUS DEFENCE & SPACE	INITIAL ISSUE				
SCALE 1:1					CREATED S. PARFITT	CHK 			
MATERIAL N/A		SPECIFICATION N/A	SURFACE FINISH  Ra 1.6	TITLE 2.412 GHz S-BAND ANTENNA ASSEMBLY	RESPONSIBLE ENGINEER 	PA APPROVAL  31/08/18			
					DATE: 24-08-2018				
FINISH CLEAN		SPECIFICATION N/A	TOLERANCE GENERAL ISO 2768-mK	SECURITY CLASSIFICATION	UNCLASSIFIED		No OF SHEETS	1	ISSUE
				MODIFICATION No.	DRAWING NUMBER		TYPE	SHT No	A
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