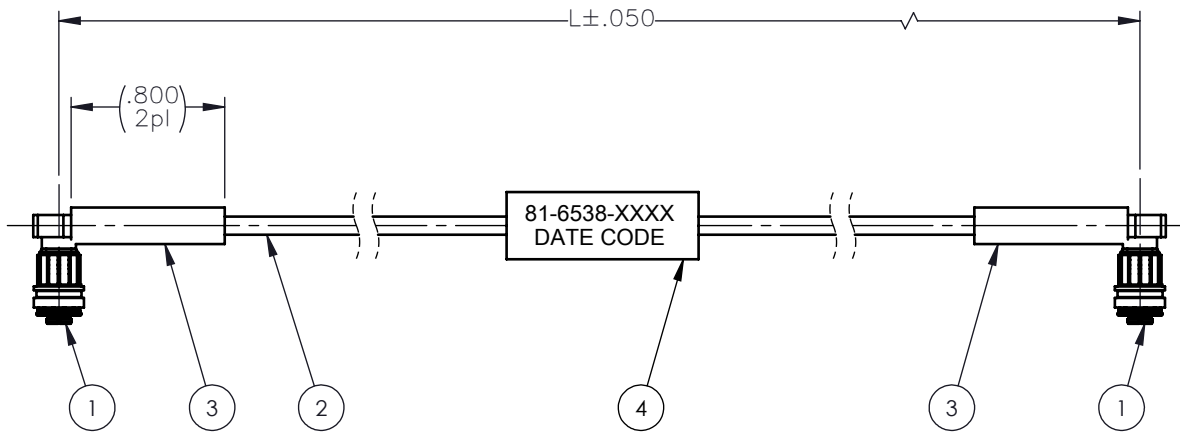


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/18/16	M.B.
B	updated connector	11/04/16	J.S.
C	ADDED MARKING	06/19/20	E.M.



COMPONENTS:

ITEM 1: SMP-LOCK RIGHT ANGLE PLUG, RADIALL P/N: R222.L80.320



ITEM 2: COAX CABLE, LOW LOSS SHF2.4M

ITEM 3: SHRINK SLEEVE, BLACK, RAYCHEM RNF-3000 PER DEF. STD 59-97 TYPE 2B

ITEM 4: SHRINK SLEEVE, WHITE, RAYCHEM TTMS PER SAE-AMS-DTL-23053/5

NOTES:

- "XXXX" REPRESENTS LENGTH "L" IN INCHES.
EXAMPLE: 81-6538-0600 INDICATES 6 INCHES OVERALL LENGTH.
- ENVIROMENTAL CHARACTERISTICS:
- OPERATING TEMPERATURE RANGE: -60° C TO +150° C.
- ELECTRICAL CHARACTERISTICS:
- IMPEDANCE: 50 Ohms
- FREQUENCY BAND: 100 MHZ - 4 GHZ (VSWR AND INSERTION LOSS PER TABLE ON SHEET 2)




UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	DWN: DATE M.B. 07/18/16	 Property of Radiall This document cannot be reproduced or communicated to a third party without prior written permission of RADIALL.	
	CHKD: DATE N.D. 07/18/16		
DECIMAL	ANGLE	APVD: DATE J.M. 07/18/16	CONTROL DRAWING CABLE ASSEMBLY GENERAL DYNAMICS
REFERENCE: 20165412-40B	MATERIALS & FINISHES: SEE ABOVE	SIZE A FSCM NO. 19505 DWG NO. 81-6538-XXXX REV C SCALE 1:1 THIRD ANGLE PROJECTION	
ORIGINATED: M.B. DATE: 07/18/16			SHEET 1 OF 2

81-6538-XXXX

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81-6538-1600	1600 (16")	1.32	0.76
81-6538-1500	1500 (15")	1.32	0.73
81-6538-1400	1400 (14")	1.32	0.70
81-6538-1300	1300 (13")	1.32	0.66
81-6538-1200	1200 (12")	1.32	0.63
81-6538-1100	1100 (11")	1.32	0.60
81-6538-1000	1000 (10")	1.32	0.57
81-6538-0900	0900 (9")	1.32	0.53
81-6538-0800	0800 (8")	1.32	0.50
81-6538-0700	0700 (7")	1.32	0.47
81-6538-0600	0600 (6")	1.32	0.44
81-6538-0550	0550 (5.5")	1.32	0.42
81-6538-0500	0500 (5")	1.32	0.40
81-6538-0450	0450 (4.5")	1.32	0.39
81-6538-0400	0400 (4")	1.32	0.37
81-6538-0350	0350 (3.5")	1.32	0.35
81-6538-0300	0300 (3")	1.32	0.34
ASSY. NO.	DIM. "L"	MAX VSWR	INSERTION LOSS, dB MAX AT 20°

NOTE: INSERTION LOSS FOR LENGTHS NOT SHOWN CAN BE CALCULATED BY $[0.24+0.032(L)]$ WHERE L= LENGTH IN INCHES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	DWN: M.B.	DATE: 07/18/16	 Property of Radiall This document cannot be reproduced or communicated to a third party without prior written permission of RADIALL.		
	CHKD: N.D.	DATE: 07/18/16			
DECIMAL	ANGLE	APVD: J.M.	CONTROL DRAWING CABLE ASSEMBLY GENERAL DYNAMICS		
	—	DATE: 07/18/16			
REFERENCE: 20165412-40B	MATERIAL: SEE ABOVE	SIZE: A	FSCM NO.: 19505	DWG NO.: 81-6538-XXXX	REV: C
ORIGINATED: M.B. DATE: 07/18/16		SCALE: 1:1	THIRD ANGLE PROJECTION 		SHEET 2 OF 2

81-6538-XXXX