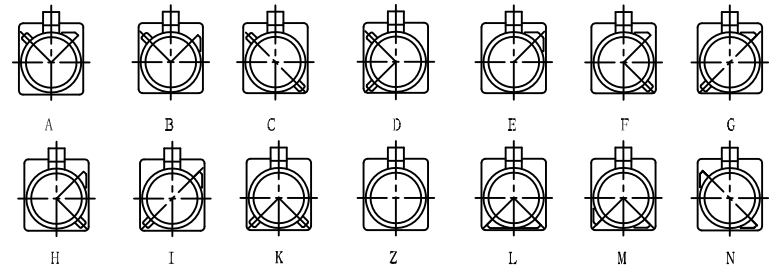
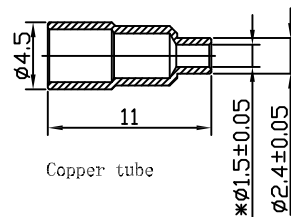
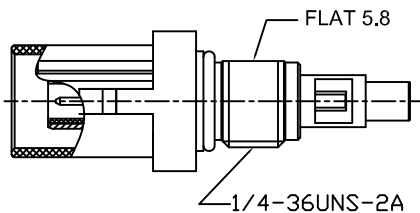
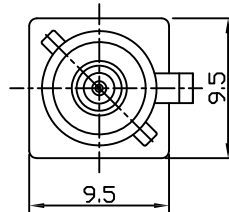
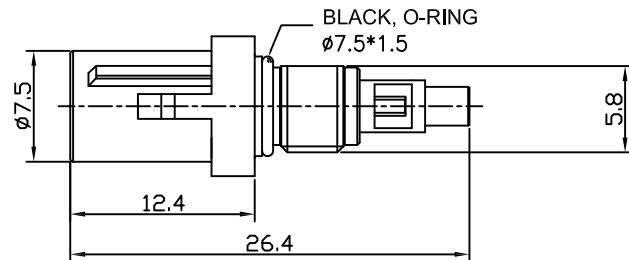
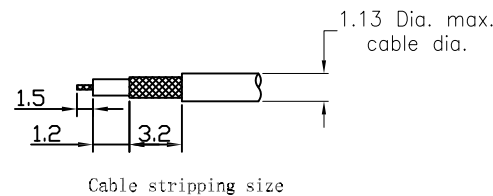
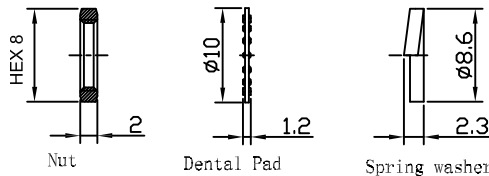
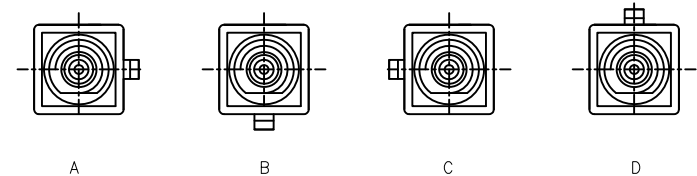


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	6/6/18	
A		ADD RECOMMEND PANEL CUT	04/27/20	TW
B		ADD SHT 3, ASSY INSTRUCTIONS	5/14/20	SS
C		UPDATE TITLE SPEC.	8/7/20	AY/RC
D		UPDATE RECOMMENDED CABLE SIZE	3/9/22	SLS



Port Type



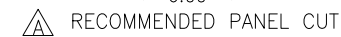
Cable stripping size

O-RING	BLACK SILICA GEL	
PLASTIC SHELL	PA66+30%GF	
COPPER TUBE	BRASS	NICKEL
INSULATOR	PTFE	
PIN CONTACT	BRASS	GOLD
BODY	BRASS	TRREE ELEMENT ALLOY
DESCRIPTION	MATERIAL	FINISH

SPECIFICATIONS:

Electrical:
 Frequency range: DC~4 GHz
 Nominal Impedance: 50 ohms
 VSWR: <1.3
 Withstanding voltage: 335 V
 Insulator Resistance: 1000 MΩ
 Contact Resistance: 6 Milliohms max. (Center Contact)
 1 Milliohms max. (Outer Contact)

Temperature Rating:
 Operating temperature: -40°C to +85°C
 Environmental:
 Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS TOLERANCES: EXCEPT AS NOTED INCHES HOLES .X ± 0.25 .XX ± 0.15 .XXX ± 0.05			ADAM TECH INTERCONNECTS		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710
APPROVALS DRAWN AY CHECKED MY APPROVED			DATE 6/6/18 6/6/18		
TITLE FAKRA PLUG SMB TYPE STRAIGHT, BULKHEAD (IP54), SOLDER / CRIMP, FOR 1.13, 1.32 & 1.37 DIA. CABLE			SIZE X	PART NO. RF55-24X-T-09-50-X-SH	REV. D
REF: S00134C			SCALE: NTS		SHEET 1 OF 3

6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION

Type	Color	For Cable	Direction	Item No	Type	Color	For Cable	Direction	Item No	Type	Color	For Cable	Direction	Item No
A	BLACK	1.13, 1.32, 1.37	A	RF55-24A-T-09-50-A-SH	F	BROWN	1.13, 1.32, 1.37	A	RF55-24F-T-09-50-A-SH	Z	WATER BLUE	1.13, 1.32, 1.37	A	RF55-24Z-T-09-50-A-SH
			B	RF55-24A-T-09-50-B-SH				B	RF55-24F-T-09-50-B-SH				B	RF55-24Z-T-09-50-B-SH
			C	RF55-24A-T-09-50-C-SH				C	RF55-24F-T-09-50-C-SH				C	RF55-24Z-T-09-50-C-SH
			D	RF55-24A-T-09-50-D-SH				D	RF55-24F-T-09-50-D-SH				D	RF55-24Z-T-09-50-D-SH
B	WHITE		A	RF55-24B-T-09-50-A-SH	G	GREY		A	RF55-24G-T-09-50-A-SH	L	CARMINE RED		A	RF55-24L-T-09-50-A-SH
			B	RF55-24B-T-09-50-B-SH				B	RF55-24G-T-09-50-B-SH				B	RF55-24L-T-09-50-B-SH
			C	RF55-24B-T-09-50-C-SH				C	RF55-24G-T-09-50-C-SH				C	RF55-24L-T-09-50-C-SH
			D	RF55-24C-T-09-50-D-SH				D	RF55-24G-T-09-50-D-SH				D	RF55-24L-T-09-50-D-SH
C	BLUE		A	RF55-24C-T-09-50-A-SH	H	VIOLET		A	RF55-24H-T-09-50-A-SH	M	PASTEL ORANGE		A	RF55-24M-T-09-50-A-SH
			B	RF55-24C-T-09-50-B-SH				B	RF55-24H-T-09-50-B-SH				B	RF55-24M-T-09-50-B-SH
			C	RF55-24C-T-09-50-C-SH				C	RF55-24H-T-09-50-C-SH				C	RF55-24M-T-09-50-C-SH
			D	RF55-24C-T-09-50-D-SH				D	RF55-24H-T-09-50-D-SH				D	RF55-24M-T-09-50-D-SH
D	BORDEAUX VIOLET		A	RF55-24D-T-09-50-A-SH	I	BEIGE		A	RF55-24I-T-09-50-A-SH	N	PASTEL GREEN		A	RF55-24N-T-09-50-A-SH
			B	RF55-24D-T-09-50-B-SH				B	RF55-24I-T-09-50-B-SH				B	RF55-24N-T-09-50-B-SH
			C	RF55-24D-T-09-50-C-SH				C	RF55-24I-T-09-50-C-SH				C	RF55-24N-T-09-50-C-SH
			D	RF55-24D-T-09-50-D-SH				D	RF55-24I-T-09-50-D-SH				D	RF55-24N-T-09-50-D-SH
E	GREEN		A	RF55-24E-T-09-50-A-SH	K	CURRY		A	RF55-24K-T-09-50-A-SH					
			B	RF55-24E-T-09-50-B-SH				B	RF55-24K-T-09-50-B-SH					
			C	RF55-24E-T-09-50-C-SH				C	RF55-24K-T-09-50-C-SH					
			D	RF55-24E-T-09-50-D-SH				D	RF55-24K-T-09-50-D-SH					

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE MILLIMETERS
TOLERANCES: EXCEPT AS NOTED
INCHES HOLES
.X ± 0.25
.XX ± 0.15 Ø.XX ± 0.13
.XXX + 0.05

APPROVALS

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APPROVED

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TECH
INTERCONNECTS

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Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE

FAKRA PLUG SMB TYPE STRAIGHT, BULKHEAD (IP54),
SOLDER / CRIMP, FOR 1.13, 1.32 & 1.37 DIA. CABLE

SIZE

X

PART NO.

RF55-24X-T-09-50-X-SH

REV.

D

REF: S00134C

SCALE: NTS

SHEET 2 OF 3

6

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Rev

AWO #

Description

Date

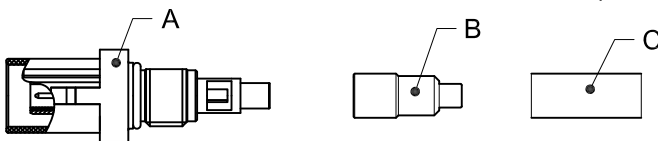
Appr

SEE SHT 1 OF 3 FOR REVISION

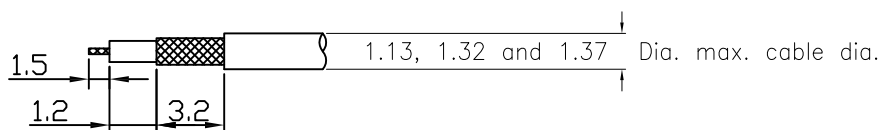
FAKRA connector cable assembly instructions (Suitable for 1.13, 1.32 and 1.37 Dia. cable)

STEP 1 PARTS NEEDED

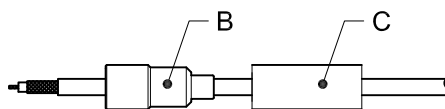
A = Fakra Connector B = Metal Sleeve C = Heat Shrink Tubing
(customer supplied)



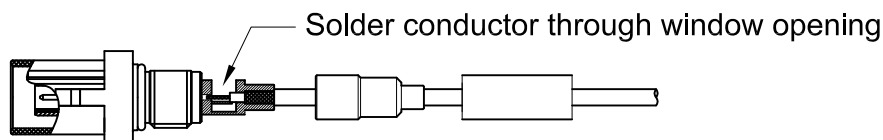
STEP 2 Strip Cable per below stripping lengths Conductor 1.5mm / Dielectric 1.2mm / Braid 3.2mm



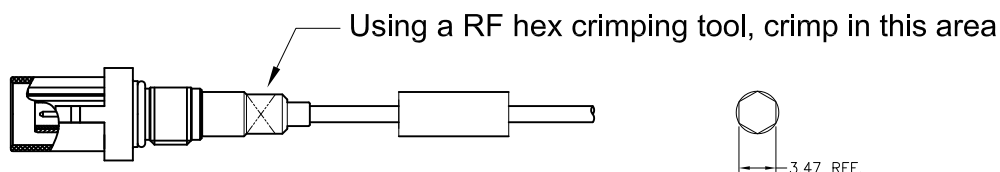
STEP 3 Slide cable through metal sleeve "B" and heat shrink "C"



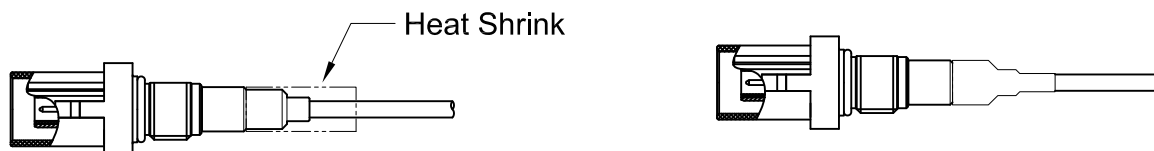
STEP 4 Insert cable into back of connector and solder conductor



STEP 5 Slide metal sleeve "B" over back of connector.



STEP 6 Slide heat Shrink over back of connector and heat with heat gun



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TOLERANCES: EXCEPT AS NOTED
INCHES HOLES
.X ± 0.25
.XX ± 0.15 Ø.XX ± 0.13
.XXX + 0.05

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TITLE

FAKRA PLUG SMB TYPE STRAIGHT, BULKHEAD (IP54),
SOLDER / CRIMP, FOR 1.13, 1.32 & 1.37 DIA. CABLE

SIZE

X

PART NO.

RF55-24X-T-09-50-X-SH

REV.

C

REF:

SCALE: NTS

SHEET 3 OF 3

Mouser Electronics

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