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NOTES:

1. MATERIALS AND FINISHES:
GEN 2.0 FAKRA STR PLUG - 2FB1-NXSP-C04W1
SMA STR PLUG - 132113B
CABLE - RG 58

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95X820-166-YYY AND DATE CODE"

4. 95X820-166-YYY : "X" REFERS TO FAKRA CONNECTOR COLOR KEY CODE.

5. CONTACT FACTORY FOR KEY CODE AVAILABILITY.

LENGTH 'L' (SEE TABLE)

HEAT SHRINK TUBE
TYP(2)

8.00 MM WRENCH

INTERFACE PER
MIL-STD-348
SERIES: SMA PLUG

INTERFACE PER
FAKRA PLUG

25.40±1.27
[1.000±0.050]
TYP(2)

SCALE 0.500

CODING

COLOR

RAL NO.

A

JET BLACK

9005

B

CREAM

9001

C

SIGNAL BLUE

5005

D

CLARET VIOLET

4004

E

LEAF GREEN

6002

F

NUT BROWN

8011

G

BLUE GREY

7031

H

HEATHER VIOLET

4003

I

BEIGE

1001

K

CURRY

1027

L

CARMINE RED

3002

M

PASTEL ORANGE

2003

N

PASTEL GREEN

6019

Z

WATER BLUE

5021

DESIGN REQUIREMENTS:

☒ FREQUENCY: DC - 3 GHz

☒ CONTINUITY

☐ VSWR: ____ 1 MAX.

☒ HI-POT: 500 VRMS

☐ INS. LOSS: ____ dB MAX.

☐ OTHER

LENGTH TABLE

PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [METERS]
95X820-166-006	-	6.00 [0.152]
95X820-166-012	-	12.00 [0.305]
95X820-166-018	-	18.00 [0.457]
95X820-166-024	-	24.00 [0.610]
95X820-166-036	-	36.00 [0.914]
-	95X820-166M100	39.37 [1.000]
-	95X820-166M200	78.74 [2.000]
-	95X820-166M300	118.11 [3.000]

TOLERANCE TABLE

LENGTH IN INCHES/FT [METERS]	TOLERANCE
0" - 23.90" [0 - 0.607]	±0.25" [0.006]
24.00" - 59.00" [0.610 - 1.499]	±0.50" [0.013]
5.0' - 24.9' [1.524 - 7.617]	±2.5%
25.0' & UP [7.620 & UP]	±5.0%

THIRD ANGLE PROJ.

REFERENCE

EAR#
10788

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [$<0.020 = \pm0.002$]
>0.5 - 6mm = ±0.1mm [$>0.020 - 0.236 = \pm0.004$]
>6.00 - 30mm = ±0.2mm [$>0.236 - 1.181 = \pm0.008$]
>30.00 - 120mm = ±0.3mm [$>1.181 - 4.725 = \pm0.012$]

ANGLES = ±1°

MATERIAL

SEE NOTES

ENGR.1
SASI D

ENGR.2

DATE
15-JUL-21

TITLE
GEN 2.0 FAKRA STR PLUG
TO SMA STR PLUG
USING RG 58 CABLE
VARIOUS LENGTH

SHEET NO. 2 OF 2

SCALE: 2.2:1.0

Amphenol RF

SIZE
B

DRAWING NO. 95X820-166-YYY

ITEM NO. 95X820-166-YYY

PART NO. 95X820-166-YYY

REV
A

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