NOTES:

1. MATERIALS AND FINISHES:
   GEN 3.0 FAKRA STR JACK - 3FB1-NXSJ-C04W0
   SMA STR PLUG - 132113B
   CABLE - RG 58

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM

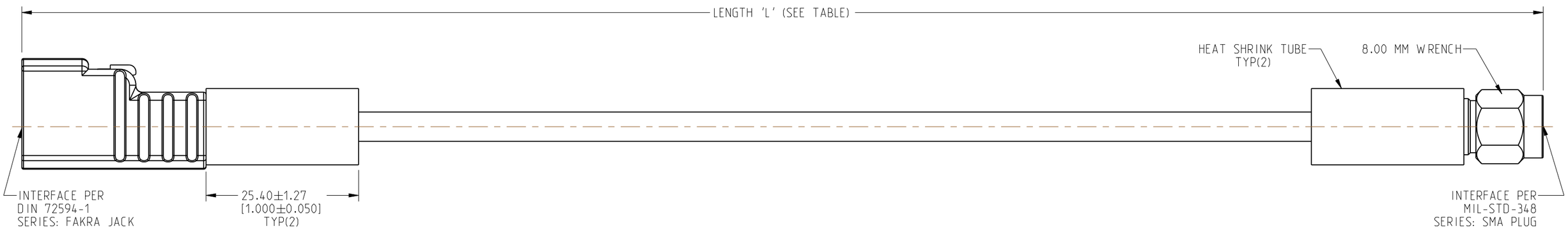
3. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: BAG TO BE MARKED
      "AMPHENOL RF, 95X820-165-YYY AND DATE CODE"

4. 95X820-165-YYY : "X" REFERS TO FAKRA CONNECTOR COLOR KEY CODE.

5. CONTACT FACTORY FOR KEY CODE AVAILABILITY.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	28-SEP-21	15925	DSK

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

4

LENGTH TABLE		
PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [METERS]
95X820-165-006	-	6.00 [0.152]
95X820-165-012	-	12.00 [0.305]
95X820-165-018	-	18.00 [0.457]
95X820-165-024	-	24.00 [0.610]
95X820-165-036	-	36.00 [0.914]
-	95X820-165M100	39.37 [1.000]
-	95X820-165M200	78.74 [2.000]
-	95X820-165M300	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%

DESIGN REQUIREMENTS:

- [X] FREQUENCY: DC - 3 GHz
- [ ] VSWR: ____ 1 MAX.
- [ ] INS. LOSS: ____ dB MAX.
- [X] CONTINUITY
- [X] HI-POT: 500 VRMS
- [ ] OTHER

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE

EAR# 10788

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

<0.5mm = ±0.05mm	[<0.020 = ±0.002]
>0.5 - 6mm = ±0.1mm	[>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm	[>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm	[>1.181 - 4.725 = ±0.012]

ANGLES = ±1°

MATERIAL: SEE NOTES

ENGR.1: SASI D | ENGR.2: | DATE: 15-JUL-21

TITLE: GEN 3.0 FAKRA STR JACK TO SMA STR PLUG USING RG 58 CABLE VARIOUS LENGTH

SHEET NO. 2 OF 2 | SCALE: 2.1:1.0

Amphenol RF

SIZE: B

DRAWING NO. 95X820-165-YYY
ITEM NO. 95X820-165-YYY
PART NO. 95X820-165-YYY

REV: A