

NOTES:
1. MATERIALS AND FINISHES(PLATING THICKNESS IN MICRO-INCHES):
MAIN BODY - ZINC ALLOY, MATTE TIN PLATED
INNER BODY - BRASS, MATTE TIN PLATED
CONTACT PIN - COPPER NICKEL ALLOY, GOLD PLATED 30 MIN. THICK AT MATING AREA, MATTE TIN PLATED AT SOLDER AREA
INSULATOR - LCP, NATURAL
HOUSING - PA4T, SEE TABLE BELOW FOR KEY CODES & COLORS
2. ELECTRICAL:
A. IMPEDANCE: 50 OHM, NOMINAL
B. FREQUENCY RANGE: DC- 9 GHz
C. VSWR(RETURN LOSS): 1.12 (-25dB) MAX. @ DC TO 3 GHz
1.22 (-20dB) MAX. @ 3 GHz TO 6 GHz
1.67 (-12dB) MAX. @ 6 GHz TO 9 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 800 VRMS, MIN.
3. MECHANICAL:
A. *DURABILITY: 25 CYCLES MIN.
B. *TEMPERATURE RANGE: -40° C TO +105° C
C. *LATCH RETENTION FORCE: 110N MIN.
4. PACKAGING:
A. PACKAGE IN TAPE AND REEL
B. QUANTITY: TBD
5. PENDING USCAR-49 CERTIFICATION, A ‘*’ BEFORE A SPEC INDICATES USCAR TESTING HAS NOT BEEN COMPLETED ON THAT SPEC

CONFIGURATION CONTROL:
NO CHANGES PERMITTED TO DRAWING WITHOUT
PPAP QUALIFIED CUSTOMER APPROVAL

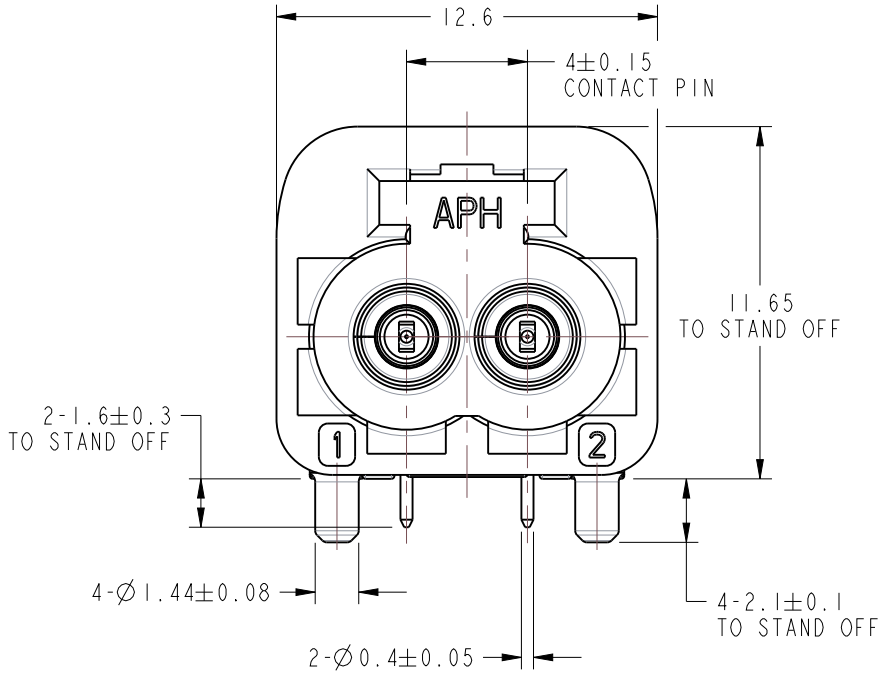
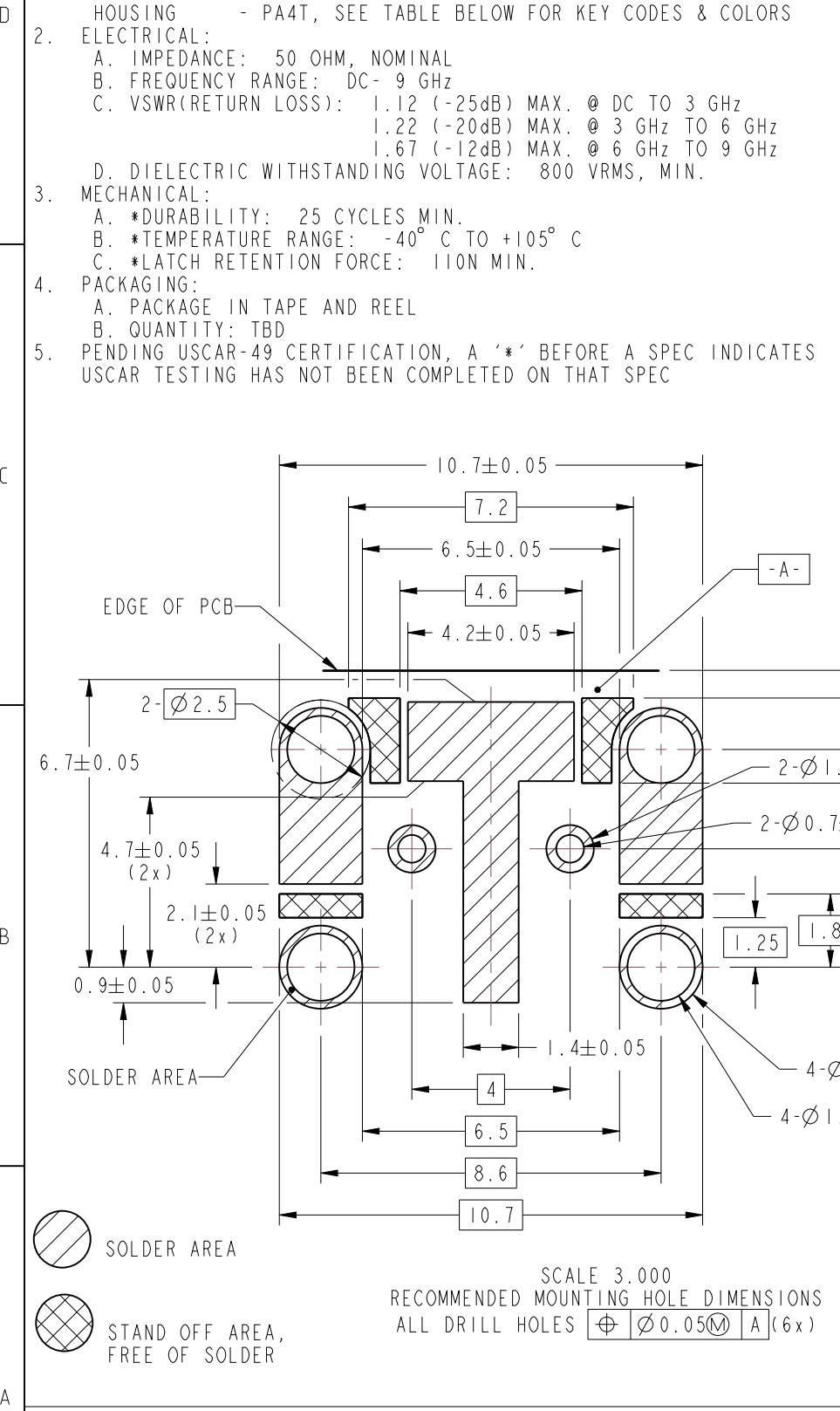
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	14-Nov-22	16478	CR

D

C

B

A



CODING	DRAWING NO.	PART NO.	COLOR OF HOUSING	RAL NO.
A	MFK2252AW-001-TL30G-50	FM2-NARP-PCB-I	JET BLACK	9005
B	MFK2252BW-001-TL30G-50	FM2-NBRP-PCB-I	CREAM WHITE	9001
C	MFK2252CW-001-TL30G-50	FM2-NCRP-PCB-I	SIGNAL BLUE	5005
D	MFK2252DW-001-TL30G-50	FM2-NDRP-PCB-I	CLARET VIOLET	4004
E	MFK2252EW-001-TL30G-50	FM2-NERP-PCB-I	LEAF GREEN	6002
F	MFK2252FW-001-TL30G-50	FM2-NFRP-PCB-I	NUT BROWN	8011
G	MFK2252GW-001-TL30G-50	FM2-NGRP-PCB-I	BLUE GREY	7031
H	MFK2252HW-001-TL30G-50	FM2-NHRP-PCB-I	HEATHER VIOLET	4003
J	MFK2252JW-001-TL30G-50	FM2-NJRP-PCB-I	BEIGE	1001
K	MFK2252KW-001-TL30G-50	FM2-NKRP-PCB-I	CURRY	1027
Z	MFK2252ZW-001-TL30G-50	FM2-NZRP-PCB-I	WATER BLUE	5021

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

ENGR.1
TANGOR DENG

ENGR.2

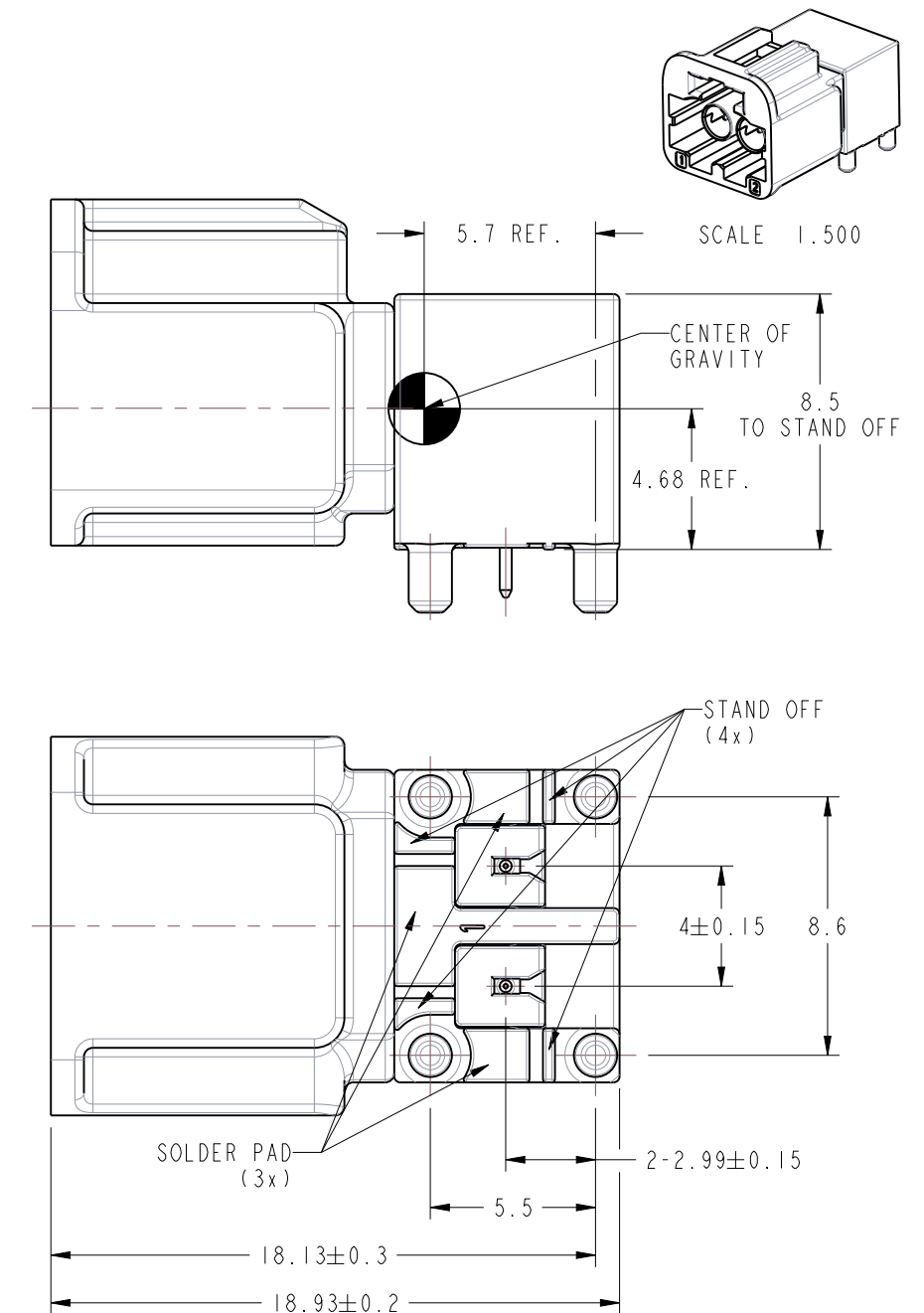
DATE
18-DEC-19

TITLE

MINI FAKRA R/A PCB
MOUNT PLUG, TYPE A,
2 PORT

SHEET NO. 2 OF 2

SCALE: 4.0:1.0



CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

Amphenol RF

SIZE	DRAWING NO.	REV
B	MFK2252XX-001-TL30G-50	A
	ITEM NO. MK2252AAX00W U5F	
	PART NO. FM2-NXRP-PCB-1	

Mouser Electronics

Authorized Distributor

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[FM2-NARP-PCB-1](#) [FM2-NBRP-PCB-1](#) [FM2-NZRP-PCB-1](#)