REV.	DESCRIPTION	ECN NO.	NAME	DATE
3	UPDATE DRAWING	N/A	Wayne	2026/8/21

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

NOTES:

1.MATERIALS AND FINISH:
HOUSING: PA10T 30%GF.
BODY: ZINC ALLOY, MATTE TIN PL. 100u"MIN.
OVER NICKEL PL. 100u"MIN.THICK OVER COPPER STRIKE.
INSULATOR: LCP.
TERMINAL: BRASS,CONTACT AREA: Au PL. 5u".
OVER Ni PL. 50u" Min. THICK OVER COPPER STRIKE.

2.ELECTRICAL DATA:
A.IMPEDANCE:50 Ω;
B.FREQUENCY RANGE:DC to 9GHz;
C.RETURN LOSS REQUIREMENT

FREQUENCY,GHz	RETURN LOSS	VSWR
0.01<f ⩽ 2	< -17.5 dB	<1.30
2<f ⩽ 6	< -14.0 dB	< 1.50
6<f ⩽ 7	< -12.0 dB	< 1.65
7<f ⩽ 9	< -10.0 dB	< 1.90

D.CROSSTALK

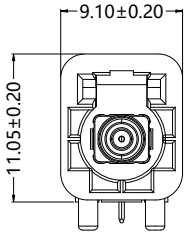
FREQUENCY	NEXT LIMIT
0.01 GHz<f≤4GHz	60 dB
4 GHz<f≤9GHz	50 dB

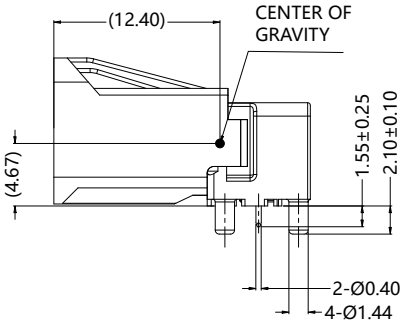
E.INSULATION RESISTANCE: ≥1X10³ MΩ;
F.TEST VOLTAGE : 800 V rms
G.WORKING VOLTAGE : 60 V DC
H.CURRENT RATING : ≤1 A DC

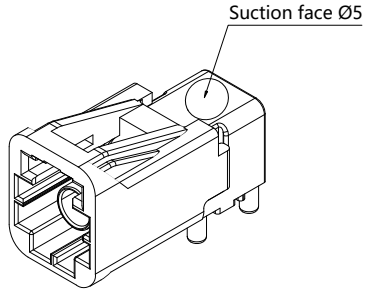
3.MECHANICAL DATA:
A.MATING CYCLES:≥25 ;
B.ENGAGEMENT FORCE: ≤ 15N ;
C.DISENGAGEMENT FORCE: ≥ 2N ;
D.RETENTION FORCE LATCH:≥110N.

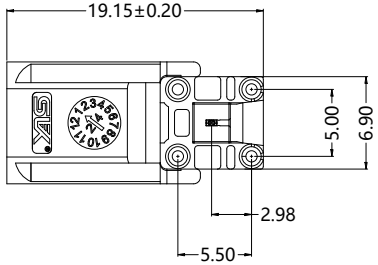
4.ENVIRONMENTAL DATA :
A.TEMPERATURE RANGE:-40°C To +105°C

5. THE MAXIMUM SOLDERING PEAK IS 260℃/10S
QUALIFIED FOR TWO REFLOW SOLDERING CYCLES

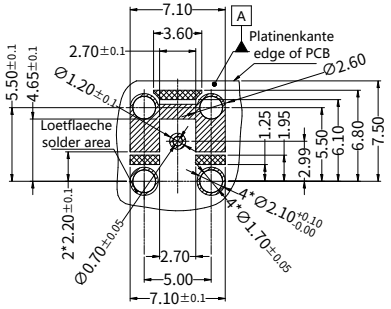








CODE TABLE			
Code	DRAWING NUMBER	Color	RAL NO.
A	5MKM2AR-P41-101	Black	9005
B	5MKM2BR-P41-101	White	9010
C	5MKM2CR-P41-101	Blue	5012
D	5MKM2DR-P41-101	Bordeauxviolet	4004
E	5MKM2ER-P41-101	Green	6017
F	5MKM2FR-P41-101	Brown	8011
G	5MKM2GR-P41-101	Grey	7036
H	5MKM2HR-P41-101	Light pink	3015
J	5MKM2JR-P41-101	Beige	1001
K	5MKM2KR-P41-101	Curry	1027
N	5MKM2NR-P41-101	Pastel green	6019
Z	5MKM2ZR-P41-101	Waterblue	5021



CUSTOMER OUTLINE DRAWING

solder area 4x
stand off area, free of solder 3x
all drill holes 5x
The stated dimension are only recommendations

UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.20 MAX.
2) REMOVE ALL BURRS;
3) SURFACE ROUGHNESS: Ra0.8
4) UNITS: mm
5) DIMENSIONS TOLERANCES
DECIMALS: .x±0.3, .xx±0.2, .xxx±0.1
ANGLES: ±5° AXIALITY: 0.20

THIRD ANGLE PROJECTION		CUSTOMER P/N:	
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	LIANGCHAN
PROCESS:	PROCESSES	SCALE:	2:1
CHECK:	CHECKED	FRAME:	A4
DRAWING:	Wayne	PAGE:	1/2
		DATE:	2026/8/21

TITLE: Mini-FAK 1 Way PCB Connector 90
PRODUCT P/N: 5MKM2*R-P41-101
WEBSITE : www.slkcorp.com | PLM V2.3

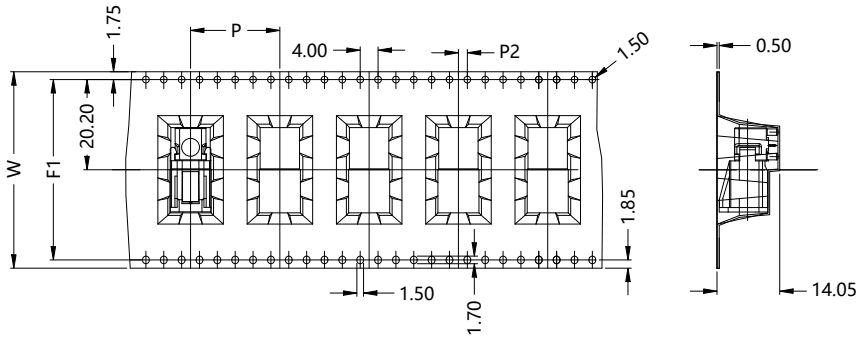
REV.	DESCRIPTION	ECN NO.	NAME	DATE
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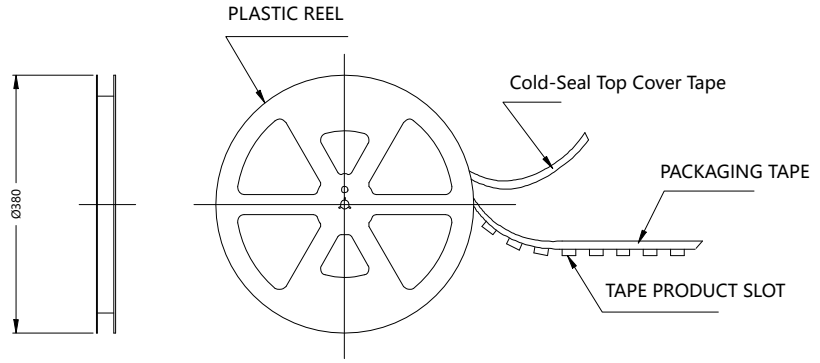
NOTES:
1.SINGLE PRODUCT WEIGHT:2.95g/PCS
PACKAGE STYLE: 300PCS/REEL,2100PCS/BOX(8.2Kg)
ORIGIN:SLK

■Reel Dimensions Diagram (Based on EIA-481-C Standard).

REEL TYPE II



■ Plastic Reel Specifications (Based on EIAJ ET-7200B)



■ Size table (packaging tape, plastic reel packaging)

SLK P/N	PRODUCT SPECIFICATIONS	REEL TYPE	W	F1	P	P2	1 Reel pack quantity
5MKM2*R-P41-101	MINI FAKRA PLUG R/A	TYPE II	44.0	40.4	20	2	300pcs

CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.10 MAX.
2) REMOVE ALL BURRS;
3) SURFACE ROUGHNESS: Ra1.6
4) UNITS: mm
5) DIMENSIONS TOLERANCES
DECIMALS: .x±0.2, .xx±0.1, .xxx±0.05
ANGLES: ±3° AXIALITY: 0.03

THIRD ANGLE PROJECTION		CUSTOMER P/N:	
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	LIANGCHAN
PROCESS:	PROCESSES	SCALE:	1:1.5
CHECK:	CHECKED	FRAME:	A4
DRAWING:	Wayne	PAGE:	2/2
		DATE:	2026/8/21

TITLE: Mini-FAK 1 Way PCB Connector 90
PRODUCT P/N: 5MKM2*R-P41-101
WEBSITE : www.slkcorp.com