REV.	DESCRIPTION	ECN NO.	NAME	DATE
2	UPDATE DRAWING		Wayne	2026/10/21

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

NOTES:

1.MATERIALS AND FINISH
BODY:ZINC ALLOY, TIN PLATING THICK 100u" /NICKEL/COPPER
INSULATOR: HTN 51G15HSL BK083
CONTACT PIN: BRASS, PL.GOLD3u"/NICKEL
HOUSING: PA10T 30%GF △2

2. ELECTRICAL DATA
A.IMPEDANCE:50 Ω;
B.FREQUENCY RANGE:DC to 6GHz;
C.INSERTION LOSS:<0.15 * $\sqrt{f\ GHz}$
D.RETURN LOSS REQUIREMENT

FREQUENCY,GHz	RETURN LOSS	VSWR
0.01 < f ≤ 2	< -15.56 dB	< 1.4
2 < f ≤ 3	< -13.98 dB	< 1.5
3 < f ≤ 6	< -12.74 dB	< 1.6

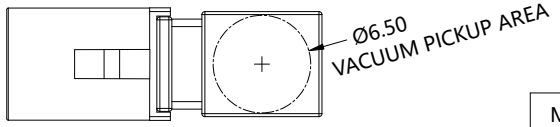
E.DIELECTRIC WITHSTANDING VOLTAGE : 800 V rms
F.INSULATION RESISTANCE>1000 MΩ

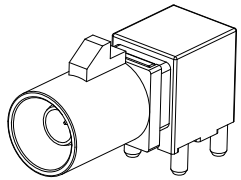
3.MECHANICAL DATA:
A.MATING FORCE ≤ 25 N ;
B.DISENGAGEMENT FORCE≥2N
C.CONNECTOR DISENGAGE WITH LOCK≥110N
D.UNMATING FORCE WITH LOCK DISENGAGED≤ 75 N
E. DURABILITY≥100CYCLES

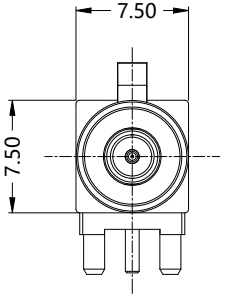
4. THE MAXIMUM SOLDERING PEAK IS 260℃/10S
QUALIFIED FOR TWO REFLOW SOLDERING CYCLES

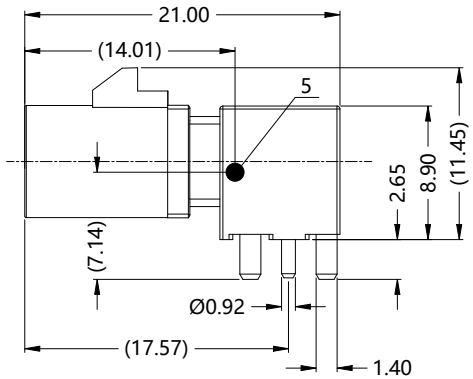
5.COORDINATES FOR CENTER OF GRAVITY

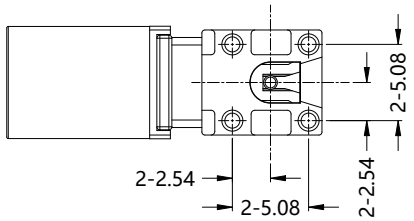
6.TEMPERATURE RANGE:-40°C To +105°C

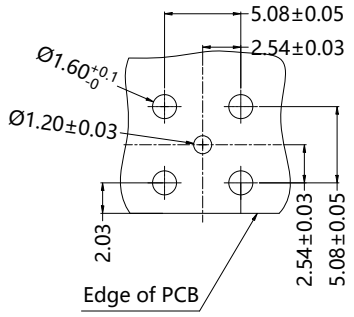












RECOMMENDED
PCB LAYOUT

Mechanical and Color Coding

P/N	Color	Coding	RAL NO.
5FKM2AR-P41-007	Deep Black	A	9005
5FKM2BR-P41-007	Signal White	B	9001
5FKM2CR-P41-007	Signal Blue	C	5005
5FKM2DR-P41-007	Bordeaux Violet	D	4004
5FKM2ER-P41-007	Leaf Green	E	6002
5FKM2FR-P41-007	Brown	F	8011
5FKM2GR-P41-007	Blue Grey	G	7031
5FKM2HR-P41-007	Heather Violet	H	4003
5FKM2IR-P41-007	Beige	I	1001
5FKM2KR-P41-007	Curry Yellow	K	1027
5FKM2LR-P41-007	Carmine-red	L	3002
5FKM2MR-P41-007	Pastel orange	M	2003
5FKM2NR-P41-007	Pastel green	N	6019
5FKM2ZR-P41-007	Water Blue	Z	5021

CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.20 MAX.
2) REMOVE ALL BURRS;
3) SURFACE ROUGHNESS: Ra1.6
4) UNITS: mm
5) DIMENSIONS TOLERANCES
DECIMALS: .x±0.3, .xx±0.2, .xxx±0.1
ANGLES: ±3° AXIALITY: 0.35

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:	2026/10/21

SLK®

TITLE:
FAKRA 1WAY PLUG R/A FOR PCB CONNECTOR

PRODUCT P/N:
5FKM2*R-P41-007

WEBSITE : www.slkcorp.com | PLM V2.3

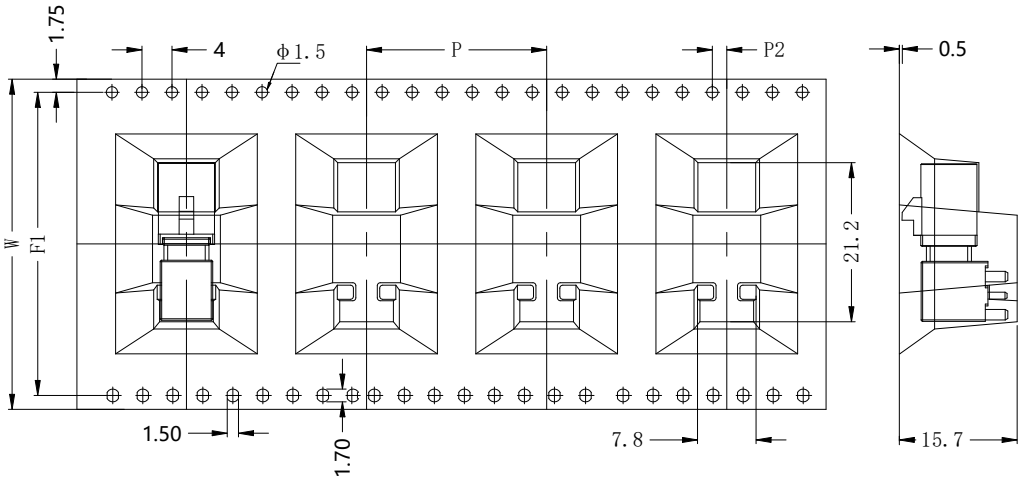
REV.	DESCRIPTION	ECN NO.	NAME	DATE
2	UPDATE DRAWING		Wayne	2026/10/21

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

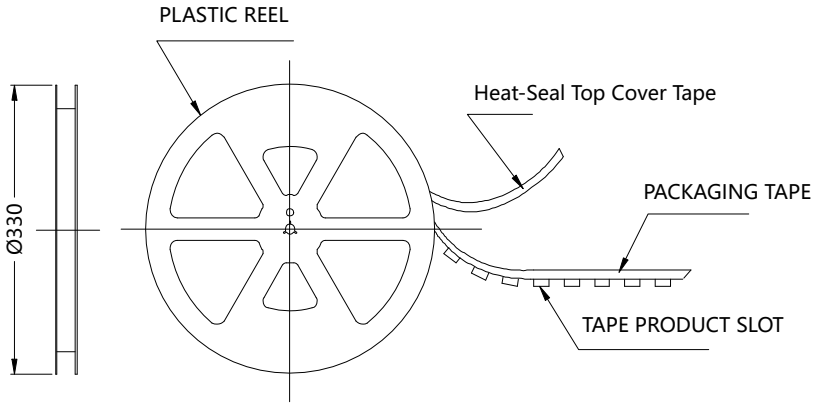
NOTES:
1.SINGLE PRODUCT WEIGHT:3.55g/PCS
PACKAGE STYLE: 150PCS/REEL,450PCS/BOX(3.6Kg)
ORIGIN:SLK

■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
5FKM2*R-P41-007	FAKRA PLUG R/A	TYPE II	44	40.4	24	2	150pcs

CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.20 MAX.
2) REMOVE ALL BURRS;
3) SURFACE ROUGHNESS: Ra1.6
4) UNITS: mm
5) DIMENSIONS TOLERANCES
DECIMALS: .x±0.3, .xx±0.2, .xxx±0.1
ANGLES: ±3° AXIALITY: 0.35

THIRD ANGLE PROJECTION		CUSTOMER P/N:	
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	LIANGCHAN
PROCESS:	PROCESSES	SCALE:	1:1
CHECK:	CHECKED	FRAME:	A4
DRAWING:	Wayne	PAGE:	2/2
		DATE:	2026/10/21

TITLE:
FAKRA 1WAY PLUG R/A FOR PCB CONNECTOR
PRODUCT P/N:
5FKM2*R-P41-007
WEBSITE : www.slkcorp.com