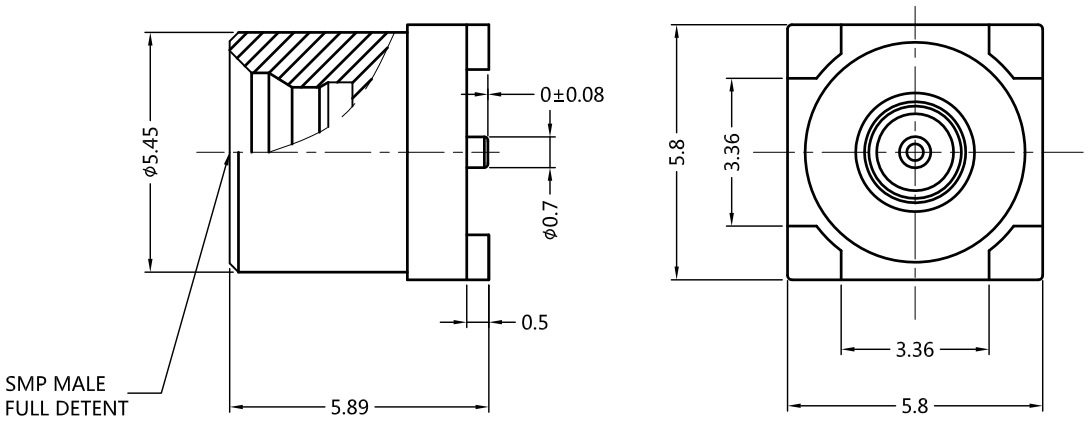
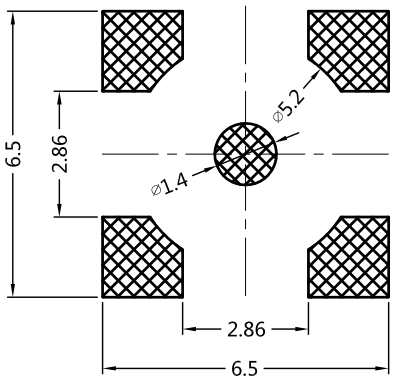
| REV | DESCRIPTION | ECN NO | NAME | DATE |
|---|---|---|---|---|
| 1 | UPDATE DRAWING | N/A | YY | 2013-06-24 |
| 2 | NEW FRAME | N/A | LW | 2020-07-15 |

ALL PARTS MUST MEET TO RoHS REQUIREMENTS




RECOMMENDED MOUNTING HOLE

| MATERIALS AND PLATING | | UNIT: MICRO-INCHES |
|---|---|---|
| BODY | BRASS | GOLD 5 u"/NICKEL/COPPER |
| CONTACT PIN | BERYLLIUM COPPER | GOLD 30 u"/NICKEL/COPPER |
| INSULATOR | PTFE ASTM-D-1710 | N/A |

| ELECTRICAL CHARACTERISTICS | | |
|---|---|---|
| IMPEDANCE | | 50 Ω |
| VOLTAGE RATING | | 175 V(rms) |
| FREQUENCY RANGE | | 0~6 GHz |
| DIELECTRIC WITHSTANDING VOLTAGE | | >500 V |
| CONTACT RESISTANCE | CENTER CONTACT | <6.0 mΩ |
| | OUTER CONTACT | <3.0 mΩ |
| INSULATION RESISTANCE | | >5000 MΩ |
| INSERTION LOSS | | <0.05√F dB |
| VSWR | | N/A |
| 3RD INTERMODULATION | | N/A |

| MECHANICAL CHARACTERISTICS | |
|---|---|
| CENTER CONTACT RETENTION FORCE | N/A |
| FORCE TO ENGAGE AND DISENGAGE | <15 lbs (ENGAGE FORCE) |
| | >5 lbs (DISENGAGE FORCE) |
| DURABILITY | >500 cycles |

| ENVIRONMENTAL CHARACTERISTICS | |
|---|---|
| TEMPERATURE RANGE | -40 ℃~+165 ℃ |
| THERMAL SHOCK | MIL- STD 202, Meth. 107,Cond. B |
| VIBRATION | MIL- STD 202, Meth. 204,Cond. D |
| SHOCK | MIL- STD 202, Meth. 213,Cond. I |

## * CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) C0.15 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 ±5°

THIRD ANGLE PROJECTION

| | |
|---|---|
| APPROVED: | CUSTOMER P/N: - |
| CHECKED: | SCALE: 6:1 |
| DRAWING: | DATE: 2020-07-15 |

SUPERLINK

TITLE: SMP MALE S/T FOR PCB SMT ,50Ω

DRAWING NO: 5SPF25S-P01-003

COMPANY WEBSITE: www.slkcorp.com