
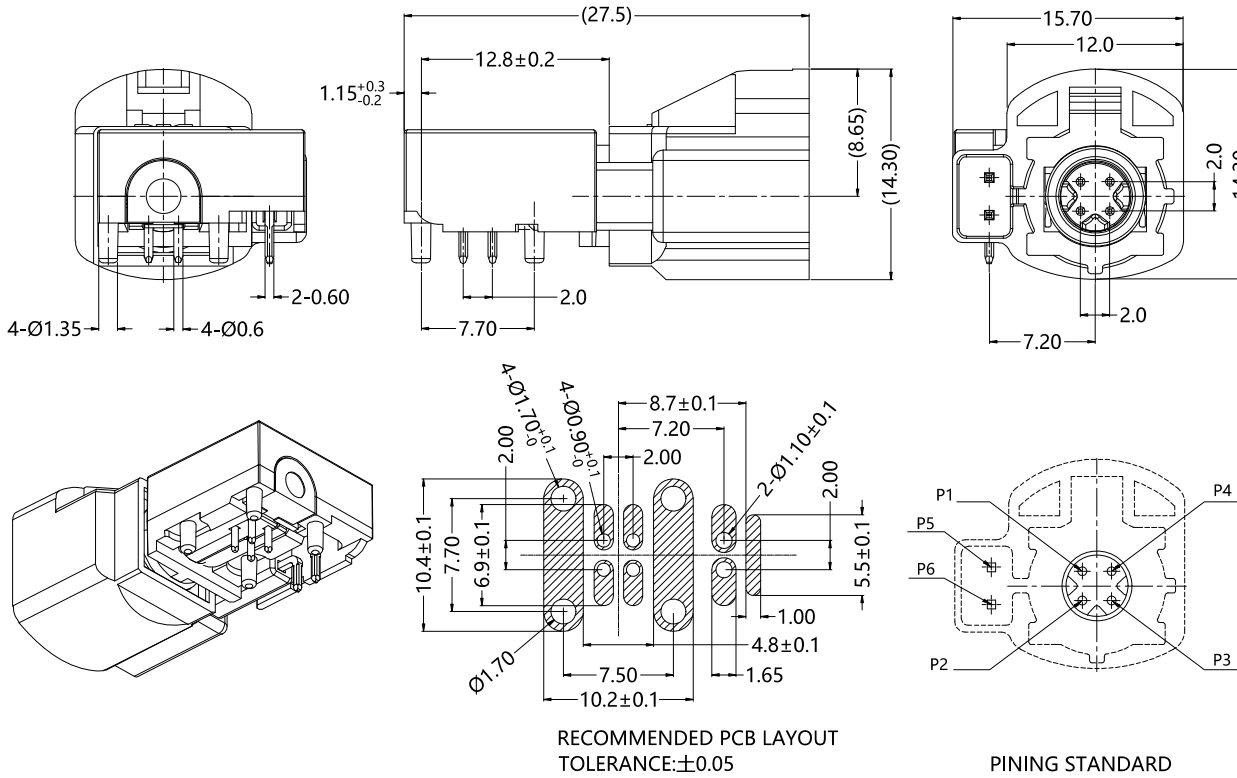


REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	Ming	2023-09-27	
1	修正阻抗	N/A	Ming	2023-11-01	



MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
BODY	ZINC ALLOY	PL. TIN /NICKEL/COPPER
INSULATOR	LCP, BLACK	N/A
CONTACT PIN	COPPER ALLOY	PL.GOLD /COPPER
HOUSING	High temperature Thermoplastic	N/A

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	100 Ω
VOLTAGE RATING	250 V(rms)
FREQUENCY RANGE	DC ~ 2 GHz
DIELECTRIC WITHSTANDING VOLTAGE	> 500 V
CONTACT RESISTANCE	CENTER CONTACT
	OUTER CONTACT
INSULATION RESISTANCE	> 1000 MΩ
INSERTION LOSS	< 0.15 * √ f GHz

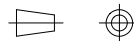
MECHANICAL CHARACTERISTICS	
MATING FORCE	≤ 25 N
DISENGAGEMENT FORCE	> 5N, < 25N
CONNECTOR DISENGAGE WITH LOCK	≥ 110N
CODING EFFICIENCY	> 80 N
DURABILITY	≥ 25cycles

ENVIRONMENTAL PARAMETER	
TEMPERATURE RANGE	-40 °C ~ +105 °C

* CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
1) EDGES : 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 :

1 : 1

DRAWING :

DATE : 2023-11-01

PAGE : 1/2



TITLE : HSD MALE R/A 4+2Pin FOR PCB WITH PCB HOUSING

DRAWING NO. : 10HS2M2*R-P46-100

COMPANY WEBSITE : www.slkcorp.com

REV.	DESCRIPTION	ECN NO.	NAME	DATE
0	FIRST EDITION	N/A	Ming	2023-09-27
1	修正阻抗	N/A	Ming	2023-11-01



ALL PARTS MUST MEET TO RoHS REQUIREMENTS

P/N LIST

SLK P/N	PLUG	CODING	COLOR	RAL
10HS2M2AR-P46-100		A	BLACK	9005
10HS2M2BR-P46-100		B	WHITE	9001
10HS2M2CR-P46-100		C	BLUE	5005
10HS2M2DR-P46-100		D	CLARET	4004
10HS2M2ER-P46-100		E	GREEN	6002
10HS2M2FR-P46-100		F	BROWN	8011
10HS2M2ZR-P46-100		Z	WATER BLUE	5021

SLK P/N	PLUG	CODING	COLOR	RAL
10HS2M2GR-P46-100		G	GREY	7031
10HS2M2HR-P46-100		H	VIOLET	4003
10HS2M2JR-P46-100		J	BEIGE	1001
10HS2M2KR-P46-100		K	CURRY	1027
10HS2M2LR-P46-100		L	YELLOW GREEN	6018
10HS2M2MR-P46-100		M	PASTEL ORANGE	2003
10HS2M2OR-P46-100		O	LIGHT GREEN	6027

MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
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INSULATOR	LCP, BLACK	N/A
CONTACT PIN	COPPER ALLOY	PL.GOLD /COPPER
HOUSING	High temperature Thermoplastic	N/A

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FREQUENCY RANGE	DC ~ 2 GHz
DIELECTRIC WITHSTANDING VOLTAGE	> 500 V
CONTACT RESISTANCE	CENTER CONTACT < 10 mΩ
	OUTER CONTACT < 7.5 mΩ
INSULATION RESISTANCE	> 1000 MΩ
INSERTION LOSS	< 0.15 * √ f GHz

MECHANICAL CHARACTERISTICS	
MATING FORCE	≤ 25 N
DISENGAGEMENT FORCE	> 5N, < 25N
CONNECTOR DISENGAGE WITH LOCK	≥ 110N
CODING EFFICIENCY	> 80 N
DURABILITY	≥ 25cycles

ENVIRONMENTAL PARAMETER	
TEMPERATURE RANGE	-40 °C ~ +105 °C

* CUSTOMER OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:
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 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 :

1 : 1

DRAWING :

DATE : 2023-11-01

PAGE : 2/2



TITLE : HSD MALE R/A 4+2Pin FOR PCB WITH PCB HOUSING

DRAWING NO. : 10HS2M2*R-P46-100

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