
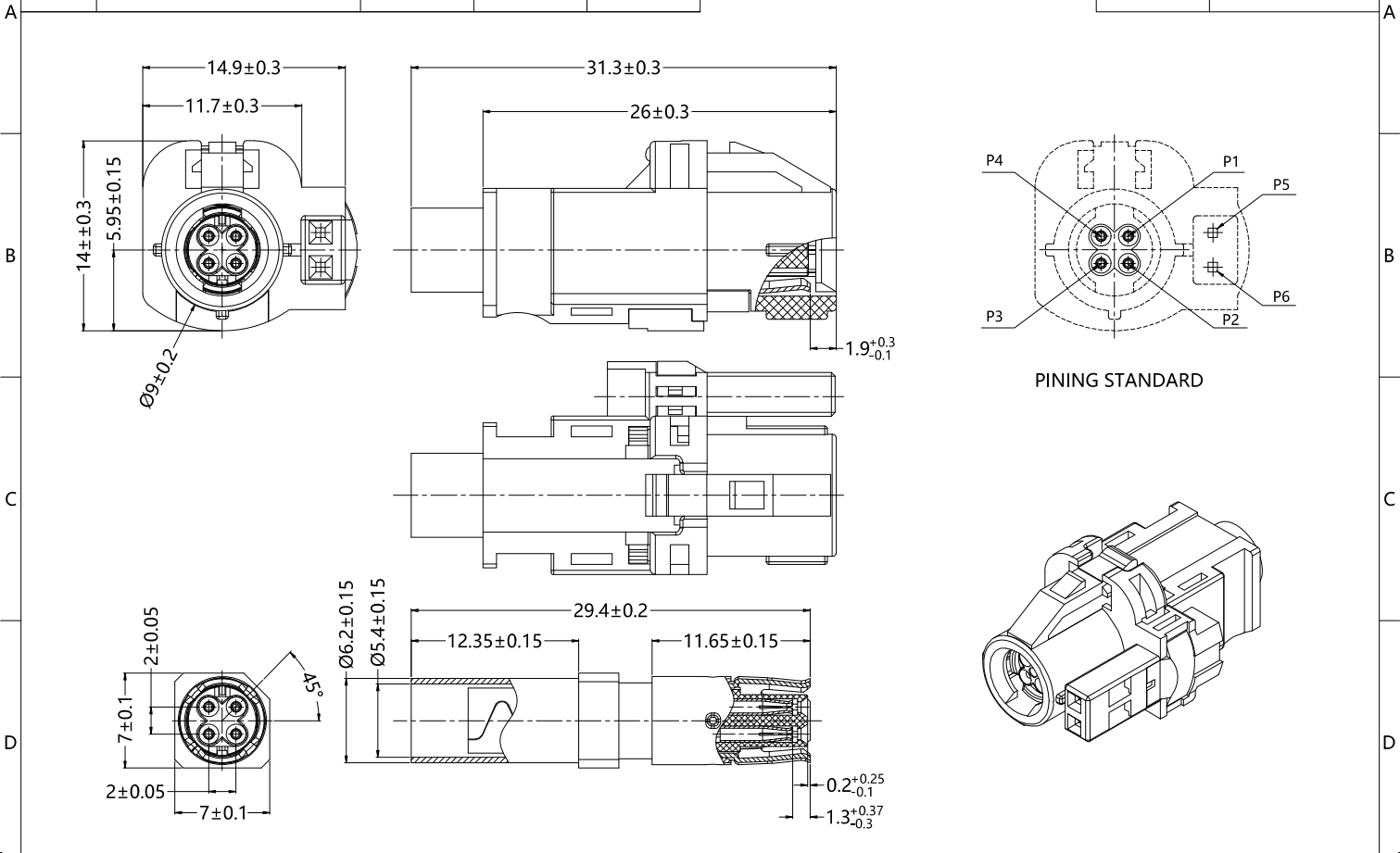


REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	Ming	2023-09-27	



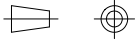

MATERIALS AND PLATING		UNIT: MICRO-INCHES
PART NAME	MATERIALS	PLATING
BODY	PHOSPHOR COPPER	PL. NICKEL/COPPER
INSULATOR	NYLON	N/A
CONTACT PIN	BERYLLIUM COPPER	PL.GOLD /COPPER
HOUSING	PBT	N/A
CRIMPING FERRUL	PHOSPHOR COPPER	PL. NICKEL/COPPER
CONTACT MQS	PHOSPHOR COPPER	PL. NICKEL/COPPER
SECONDARY LOCK	PBT	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 < 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: 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 :		2023-09-27
	PAGE :	1/2	TITLE : HSD FEMALE S/T 4+2 Pin CONNECTOR DRAWING NO. : 10HS2F1*S-A743-100 COMPANY WEBSITE : www.slkcorp.com	

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

P/N LIST

SLK P/N	PLUG	CODING	COLOR	RAL	SLK P/N	PLUG	CODING	COLOR	RAL
10HS2F1AS-A743-100		A	BLACK	9005	10HS2F1GS-A743-100		G	GREY	7031
10HS2F1BS-A743-100		B	WHITE	9001	10HS2F1HS-A743-100		H	VIOLET	4003
10HS2F1CS-A743-100		C	BLUE	5005	10HS2F1JS-A743-100		J	BEIGE	1001
10HS2F1DS-A743-100		D	CLARET	4004	10HS2F1KS-A743-100		K	CURRY	1027
10HS2F1ES-A743-100		E	GREEN	6002	10HS2F1LS-A743-100		L	YELLOW GREEN	6018
10HS2F1FS-A743-100		F	BROWN	8011	10HS2F1MS-A743-100		M	PASTEL ORANGE	2003
10HS2F1ZS-A743-100		Z	WATER BLUE	5021	10HS2F1OS-A743-100		O	LIGHT GREEN	6027

MATERIALS AND PLATING		UNIT: MICRO-INCHES
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CONTACT PIN	BERYLLIUM COPPER	PL.GOLD /COPPER
HOUSING	PBT	N/A
CRIMPING FERRUL	PHOSPHOR COPPER	PL. NICKEL/COPPER
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ENVIRONMENTAL PARAMETER	
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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 : 2023-09-27

PAGE : 2/2



TITLE : HSD FEMALE S/T 4+2 Pin CONNECTOR

DRAWING NO. : 10HS2F1\*S-A743-100

COMPANY WEBSITE : www.slkcorp.com