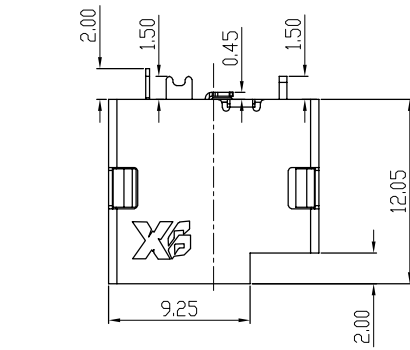
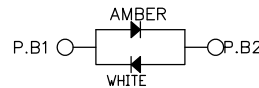
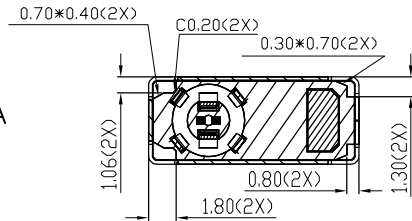


CIRCUIT DIAGRAM

LED TYPE



SECTION: A-A

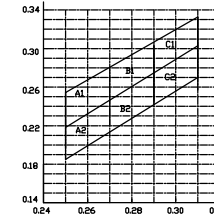


Build of material:

7	SLIM HP DC JACK-LED	1	HongKai(1L2429A2W30MK505) HuaDing(LNS4VESUW5W106G)	AMBER/WHITE
6	SLIM HP DC JACK-STOPPER	1	(Sumitomo E6808/E6006) LCP (TORAY LX70T45B) (SAMSUNG KC184BLM/KD135BS)	BLACK
5	SLIM HP DC JACK-DETECT PIN	1	PHOSPHOR BRONZE(C5210R) T=0.35±0.05mm	5u"Au Plating at contact area. With 50u"Ni min UnderPlating overall.
4	SLIM HP DC JACK-POWER PIN	1	PHOSPHOR BRONZE(C5210R) T=0.25±0.05mm	
3	SLIM HP DC JACK-GROUND PIN	1	PHOSPHOR BRONZE(C5210R) T=0.25±0.05mm	
2	SLIM HP DC JACK-HOUSING	1	(Sumitomo E6808/E6006) LCP (TORAY LX70T45B) (SAMSUNG KC184BLM/KD135BS)	BLACK
1	SLIM HP DC JACK-SHELL	1	SUS 201 T=0.25±0.05mm	30u"Ni Min
NO	DESCRIPTION	QTY	MATERIAL	FINISH(OR COLOR)

LED'S CHARACTERISTICS:

NODE		COLOR	DOMINANT WAVELENGTH	FORWARD VOLTAGE	LUMINORS INTENSITY AT 20mA
P.B1(+)	P.B2(−)	AMBER	600~610nm	2.6V MAX	37.6~192.4 MCD
P.B1(−)	P.B2(+)	WHITE	N/A	3.7V MAX	400~1150MCD



RANG OF BINS(AUQA WHITE)

INTENSITY RANGE (mcd)		
Bin	Min	Max
L	400	520
M	520	680
N	680	880
P	880	1150

COLOR RANKS.

A1	X	0.27	0.27	0.25	0.25
	Y	0.2455	0.278	0.25	0.2175
A2	X	0.27	0.27	0.25	0.25
	Y	0.2455	0.213	0.185	0.2175
B1	X	0.27	0.27	0.29	0.29
	Y	0.2455	0.278	0.306	0.2735
B2	X	0.27	0.27	0.29	0.29
	Y	0.2455	0.213	0.241	0.2735
C1	X	0.29	0.31	0.31	0.29
	Y	0.306	0.3355	0.303	0.2735
C2	X	0.29	0.31	0.31	0.29
	Y	0.241	0.2705	0.303	0.2735

ELECTRIACL-OPTICAL CHARACTERISTICS.

Parameter	Symbol	Value			Unit	Test condition
		Min.	Typ.	Max.		
Forward Voltage	Vr	A	1.7	2.0	2.6	V If=20mA
	W	2.8	3.2	3.7	V	If=20mA
Luminous intensity	Iv	A	37.6	130	192.4	mod If=20mA
	W	400	550	1150	mod	If=20mA
Wavelength	λd	A	600	610	nm	If=20mA
	X	0.271				If=20mA
Reverse Current	Ir		0.245		A	Vr=5V
Viewing angle	2θ		140		Deg	If=20mA

NOTES:

1. ELECTRICAL CHARACTERISTICS:

1.1 CONNECTOR RATED CURRENT: 7.0A & 30°C MAX ΔT OVER AMBIENT
RATED VOLTAGE: 20V DC

1.2 INSULATION RESISTANCE 100MOHMS MIN AT 500V DC AFTER 1 MINUTE

1.3 DIELECTRIC WITHSTAND VOLTAGE: 500V AC FOR 1 MINUTE,

1.4 CONTACT RESISTANCE: 30 mOHMS MAX.

2. MECHANICAL CHARACTERISTICS:

2.1 MATING FORCE: 2.5KgF MAX

UNMATING FORCE:

INITIAL: 0.6~2.0KgF

AFTER LIFE TEST: 0.4~2.0KgF

2.2 DURABILITY(MATING/UNMATING FORCE CYCLES): 5000 CYCLES

3. OPERATING TEMPERATURE RANGE: -40°C-85°C

4. REMARK: MOISTURE SENSITIVE DEVICE MSL6-AFTER PACKING BEEN
OPENED 8 HOURS,PARTS MUST BE BAKED FOR MIN 5DAYS AT
40°C & <5% RH

UNLESS OTHERWISE
SPECIFIED TOLERANCES



东莞市溪榜电子有限公司
DONG GUAN XI BANG ELECTRONICS CO., LTD.

DECIMALS:		ANGLES:		DESIGN:	GAO. PENG	PART NAME:
DIM	TOL	DIM	TOL		2023.10.12	
X.	±0.50	X.	±2°	CHECK:		DC POWER JACK
X.X	±0.30	X.X	±1°			PART NO.
X.XX	±0.20	X.XX				XB-DC-450060-1502-20000H
X.XXX	±0.10	X.XXX		APPROVED	HE. LONG. FEI	SHEET: 1/1
3RD ANGLE PROJECTION		UNIT: mm			2023.10.12	REV.: A1
						DRAWING NO

REV.	ECN NO.	DESCRIPTION	DESIGN	DATE
------	---------	-------------	--------	------

8

7

6

5

4

3

2

1