

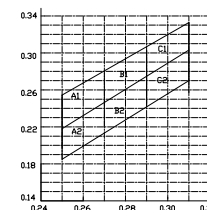
REV	DESCRIPTION	ECN/ECR	DATE	DRAWN BY
A0	新訂圖面	—	11/28/2014	陳 昊
B0	工程變更, 修改對插端C角尺寸及方孔尺寸	ECN	06/15/2015	彭志婷

Date Code碼說明, 例如: 4103

星期三
第十周
2014年

LED'S CHARACTERISTICS:

NODE		COLOR	DOMINANT WAVELENGTH	FORWARD VOLTAGE	LUMINORS INTENSITY AT 20mA
P1(+)	P2(-)	AMBER	600-610nm	2.6V MAX	37.6-192.4 MCD
P1(-)	P2(+)	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

ELECTRICAL-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	mcd If=20mA
		W	400	550	1150	mcd If=20mA
Wavelength	λd	A	600	610	610	nm If=20mA
		X	0.271			If=20mA
	Y	0.245				
Reverse Current	Ir			10	μA	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:

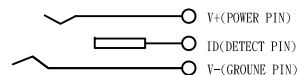
- 2.1 MATING FORCE: 2.5Kgf MAX
UNMATING FORCE:
INITIAL: 0.6-2.0Kgf
AFTER LIFE TEST: 0.4-2.0Kgf
- 2.2 DURABILITY (MATING/UNMATING FORCE CYCLES): 5000 CYCLES

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

Build of material:

7	SLIM HP DC JACK-LED	1	HongKai(1L2429A2W30MK505) HuaDing(5201110ROH-364-G)	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	Pd/Ni 30u"min with 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	LCP(E130I)	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)



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DRAWN BY 彭志婷
CHECKED BY
APPROVED BY

ITEM SLIM HP DC JACK(Thin5.72mm)焊線式
180°(452專用)+螺絲孔

PART NO CD4521032002

TOLERANCE

ANGLE PROJECTION



.X±0.30
.XX±0.20

UNIT

SCALE

DATE

mm

1:1

06/15/2015