

NOTES:

ELECTRICAL:

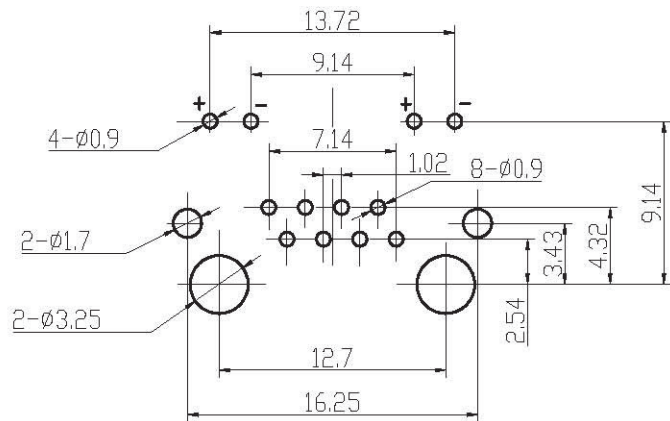
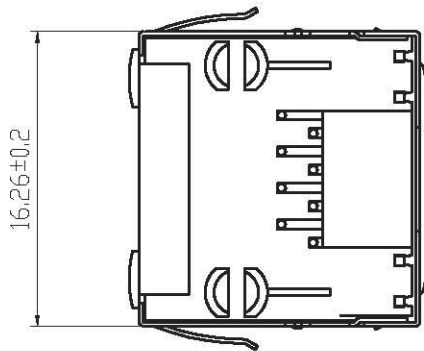
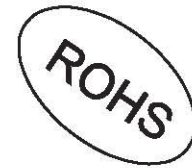
- 1. VOLTAGE RATING : 125 VAC RMS.
- 2. CURRENT RATING : 1.5 AMP.
- 3. CONTACT RESISTANCE : 30 MILLIOHMS MAX.
- 4. INSULATION RESISTANCE : 500 MEGOHMS MIN @ 500 VDC.
- 5. DIELECTRIC STRENGTH : 1000 VAC RMS 50Hz or 60Hz, 1MIN.

MECHANICAL:

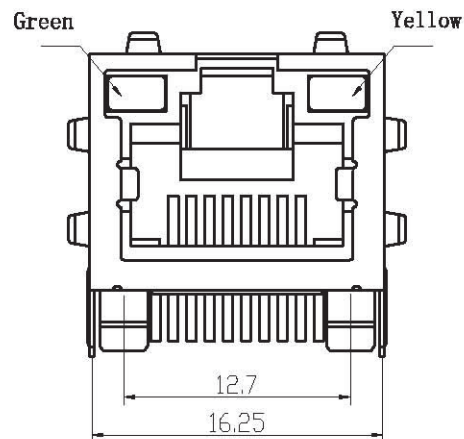
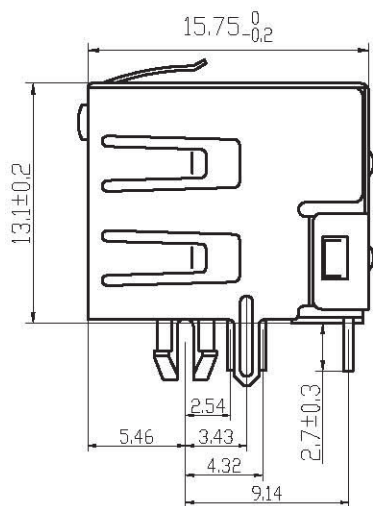
- 1. HOUSING & INSERT MATERIAL : PBT UL94V-0;PANTONE COLOUR No:114C(YELLOW)
- 2. CONTACT MATERIAL : PHOSPHOR BRONZE T=0.3MM.
- 3. SHIELD : 0.20 ~ 0.25MM THICKNESS BRASS WITH TIN PLATE
- 4. PLATING : 1. CONTACT AREA-SELECTIVE GOLD 0.5u PLATING.  
2. TAILS PLATING TIN OVER NICKEL.
- 5. MATING/UNMATING FORCE : 2.2KG.F MAX.
- 6. RETENTION STRENGTH : 7.7KG.F MIN BETWEEN JACK AND PLUG.
- 7. OPERATING LIFE : 600 CYCLES MIN.

ENVIRONMENTAL:

- 1. STORAGE : -10°C ~ +40°C RELATIVE HUMIDITY<70%.
- 2. OPERATION : -40°C ~ +70°C.



P.C.B RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.  
ALL CENTERLINE DIMENSIONS ARE BASIC



\*Specification subject to change without notice

P/N: 2B245RHUBLRQCWLD	Units: mm	Unless otherwise stated otherwise tolerances as follows: .XX ±0.25	Rev: A	Draw:	Date:2010/01/25
	Scale: None		Page: 1/1	Approved:	Date:2010/01/25

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## HOUSING MATERIALS TEST REPORT

MATERIALS NAME	PBT-B20 UL94V-0			
TEST ITEM	UNIT	TEST METHOD	TEST RESULTS	REMARK
APPEARANCE	---	EYEBALLING	OK	
TENSILE STRENGTH	MPa	ISO527/D638	88.5	
RUPTURE ELONGATE RATE	%	ISO527	2.4	
FELXURAL MODULUS	MPa	ISO178/D790	140.8	
IZOD NOTCHED	KJ/M <sup>2</sup>	ISO179/D256	7.4	
IMPACT STRENGTH	KJ/M <sup>2</sup>	ISO179	29.0	
FLAMMABILITY RATING	---	UL94	V-0	1.66 mm
RESIDUA CONTENT	%	ISO3451	18-8	
THERMAL DEFLECTION TEMPERATURE	DEGREE C °C	D648	205	
INSPECT CONDITIONS	ENTIRONMENT	23°C	RELATIVE HUMIDITY	50%
INSPECT RESULTS				
(PASSED)				

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## PIN MATERIALS SPECIFICATION

MATERIALS NAME	PHOSPHOR BRASS		
PROPERTIES	TEST STANDARD	UNIT	TEST RESULTS
THICKNESS	$\Phi 0.45^{+0.01}$	mm	0.46 OK
CONTACT FINISH UNDERPLATE PLATED GOLD IN CONTACT AREA	A、 Plated Gold FU" -15U " Plated Nickel 30U" -80 U" B、 Plated Gold 30U" -50U" Plated Nickel 100 U" 以上	U"	OK OK
MECHANICAL TENSILE STRENGTH ELONGATION	800MIN MIN 3	N/mm <sup>2</sup> %	>880 OK GOOD
PHYSICAL  HIGH TEMPERATURE LIFE  SOLDERABILITY	  Expose the products to 85±2℃ for 164 hours ,pppearance be OK.  250℃/30 SECONDS SOLDER GOOD	 ---  ---	  PASSED  MEET PRODUCT SPEC
ELECTRICAL CURRENT RATING VOLTAGE RAGING DIELECTRIC WITHSTANDING VOLTAGE INSULATION RESISTANCE CONTACT RESISTANCE	MAX1.5 125  MIN1000  MIN1000 MAX20	AMPS VAC  VAC 50HZ/MINUTE  MEGOHM/500V AC MILLIOHM/1V DC	OK OK  OK  OK OK
CHEMICAL Sn Al In Ni Fe Pb P Cu	GB/T5231-2-1 --- --- --- --- --- --- --- ---	% % % % % % % %	6.0-7.0 0.002 0.3 0.2 ≅0.05 ≤0.02 ≤0.10-0.25 REM
INSPECT RESULTS : PASSED			

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## SHIELDED MATERIALS SPECIFICATION

MATERIALS NAME	COPPER ALLOY WITH NICKEL PLATED (C65Y)		
I T E M	STANDARD VALUE	UNIT	TEST RESULTS
THICKNESS	0.20+0/-0.05	mm	0.201    OK
NICKEL PLATED	30-90	U"	OVER30    OK
MECHANICAL TENSILE STRENGTH	42.0-52.0	KGF/MM	48.00    OK
ELONGATION	14.0-17.0	%	17.0    OK
PHYSICAL HARDNESS	135-150	HV	140    OK
ELECTRICAL ELERTRIC CONDUCTIRITY	- - -	%	25.2    OK
CHEMICAL	64.00-68.00	%	67.74    OK
CU	MAX 0.050	%	0.020    OK
FE	MAX 0.070	%	<0.003    OK
PB	REM	%	REM    OK
ZN	- - -	%	0.001    OK
SB	- - -	%	0.009    OK
NI	- - -	%	0.001    OK
P			
INSPECT RESULTS :			
(PASSED)			
INSPECT RESULTS :			
(PASSED)			

# Dipping temperature profile

(Note) The measuring point for the specified temperature shall be on the soldered part of the leads

