

EDCON-COMPONENTS



Technical Discription

Electrical

Current Rating:
Voltage Rating:
Insulation Resistance:
Contact Resistance:
Withstanding Voltage:

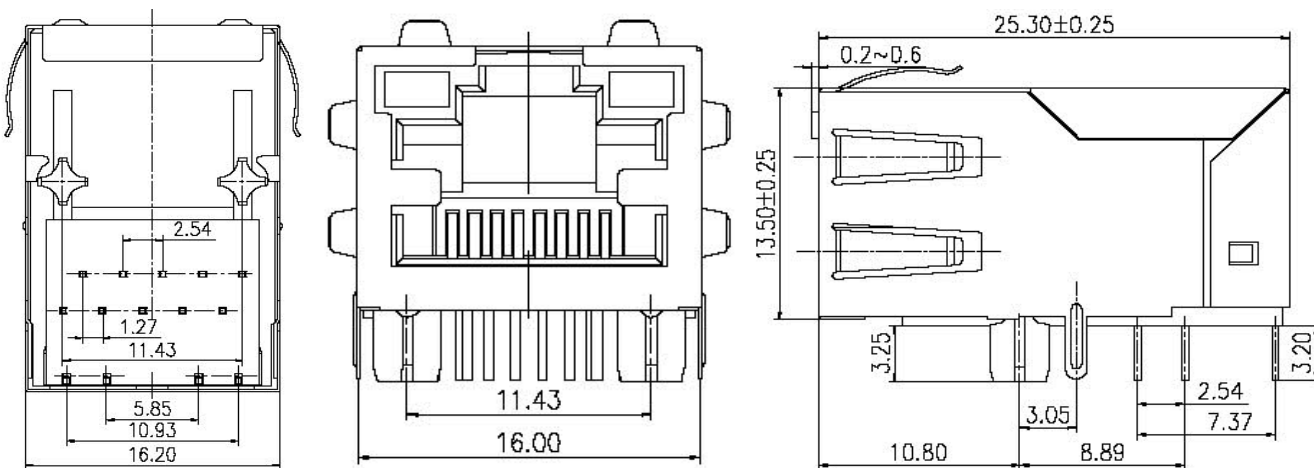
Mechanical

Insertion Force: 2,2Kg.F.max.
Retention Strength: 7,7Kg.F min.beetween jack a. plug
Durability: 600 mating cycles min.

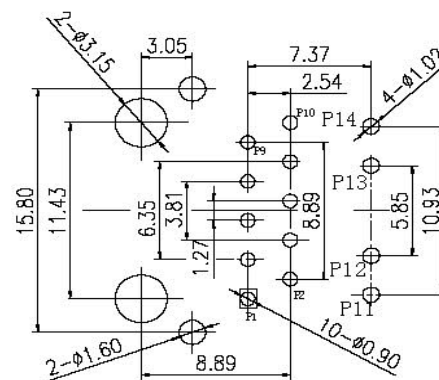
Material

Housing: Thermoplastic UL94 V-0
Contact/Shield: Cooper Alloy
Shield: Nickel or Tin
Contact Plating: Selective Gold, 3μ / 6μ / 15μ / 30μ 50μ inch
Soldering Temperature: 260°C max, 10 secs max
Operating Temperature: 0°C to 70°C
Storage Temperature: -25°C to 85°C

Technical Drawing



PCB Layout



LED PCB Modular Jack with Transformer shielded

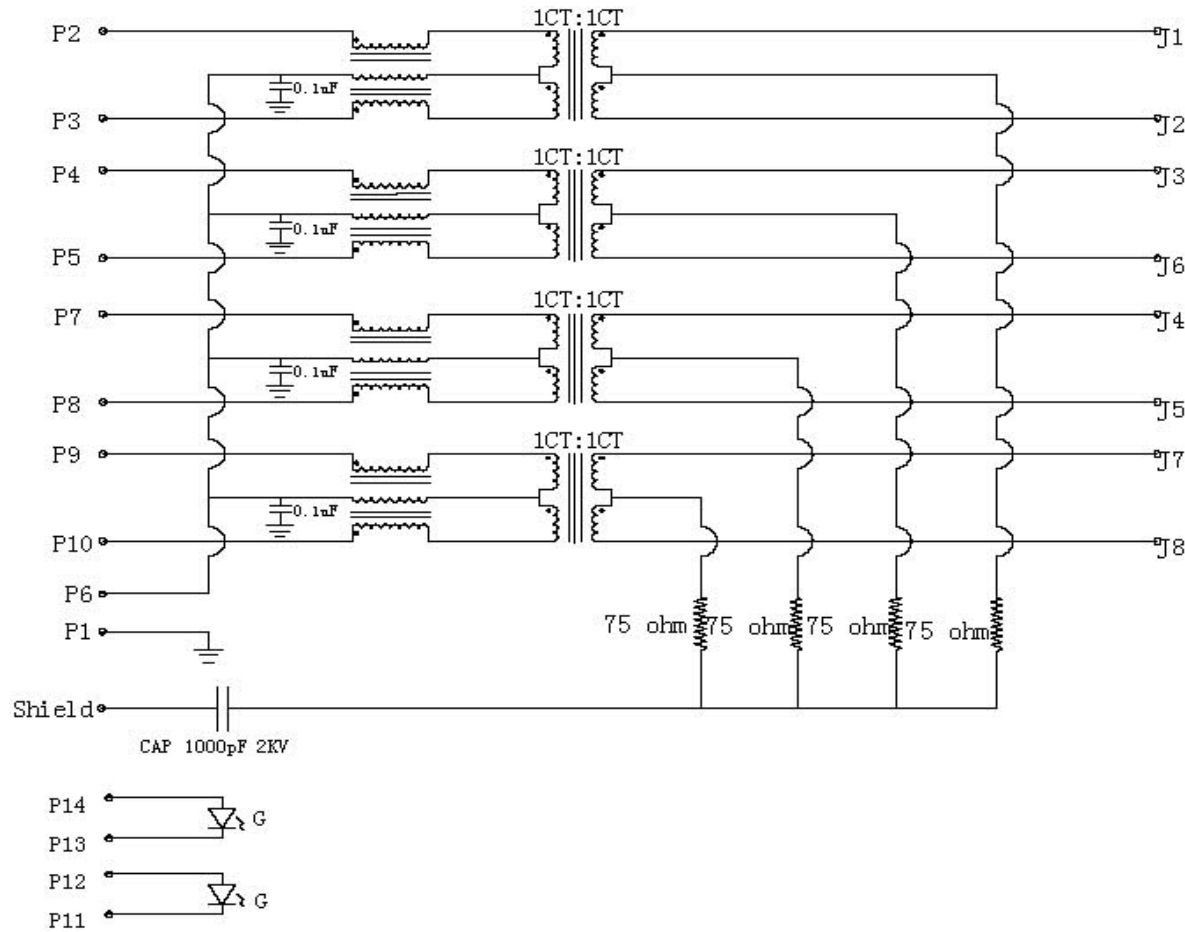
Part No.: **T91A21011**

Customer:

DRW:	John	CHKD	Tony	MATL:	Tony	TOLERANCE	Su	DATE	22.07.2010
APPD:	Jimmy			FINISH	Jeff		Sheet No.	1 from 5	



Drawing



LED PCB Modular Jack with Transformer shielded	
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Electrical Specifications

Turn Ratio:	(P2~P3) : (J1~J2)	:1:1 ±3%	Dielectric Withstand:	(P2~P3) : (J1~J2)	: 1500VAC	
	(P4~P5) : (J3~J6)	:1:1 ±3%		(P4~P5) : (J3~J6)	: 1500VAC	
	(P7~P8) : (J4~J5)	:1:1 ±3%		(P7~P8) : (J4~J5)	: 1500VAC	
	(P9~P10) : (J7~J8)	:1:1 ±3%		(P9~P10) : (J7~J8)	: 1500VAC	
Inductance:	(P2~P3)	350µH min at 0.1V, 100 KHz, 8mA DC BIAS	Insertion Loss:	0.5MHz to 100MHz	: -1.2dB max	
	(P4~P5)	350µH min at 0.1V, 100 KHz, 8mA DC BIAS		Return Loss:	0.5MHz to 40MHz	: -18dB min
	(P7~P8)	350µH min at 0.1V, 100 KHz, 8mA DC BIAS			40.1MHz to 100MHz	: -(12-20LOG(f/80))dB min (where f is in MHz)
	(P9~P10)	350µH min at 0.1V, 100 KHz, 8mA DC BIAS			Cross Talk:	0.5MHz to 40MHz
Leakage Inductance:	P2~P3 (with J1 and J2 short)	: 0.35µH max at 1 MHz	40.1MHz to 100MHz			: -(33-20LOG(f/50))dB min (where f is in MHz)
	P4~P5 (with J3 and J6 short)	: 0.35µH max at 1 MHz	Common to Common Mode Attenuation:	0.5MHz to 100MHz		: -30dB min
	P7~P8 (with J4 and J5 short)	: 0.35µH max at 1 MHz				
	P9~P10 (with J7 and J8 short)	: 0.35µH max at 1 MHz				
Interwinding Capacitance:	(P2~P3) : (J1~J2)	: 115pF max at 1MHz				
	(P4~P5) : (J3~J6)	: 115pF max at 1MHz				
	(P7~P8) : (J4~J5)	: 115pF max at 1MHz				
	(P9~P10) : (J7~J8)	: 115pF max at 1MHz				
DC Resistance:	(J1~J2) : (J3~J6) : (J4~J5) : (J7~J8)	: 1.2Ω max				

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Ordering Informations

Serie	No. Of. Positions	No. Of Contact	Left Side LED	Right Side LED	Contact Plating	ROHS	Packing			
T91A21011	10	10	LC	RB	SC	R	TY			

10= 10Pos.	10= Pos. connecting	LB= Green	RB= Green	SC= Selective Gold	R= ROHS conform	TY= Tray Packing
				GA= 3 μ Gold Plating	N= NON ROHS conform	BU= Bulk-Ware
				GB= 6 μ Gold Plating		
				GC= 15 μ Gold Plating		
				GD= 30 μ Gold Plating		
				GE= 50 μ Gold Plating		

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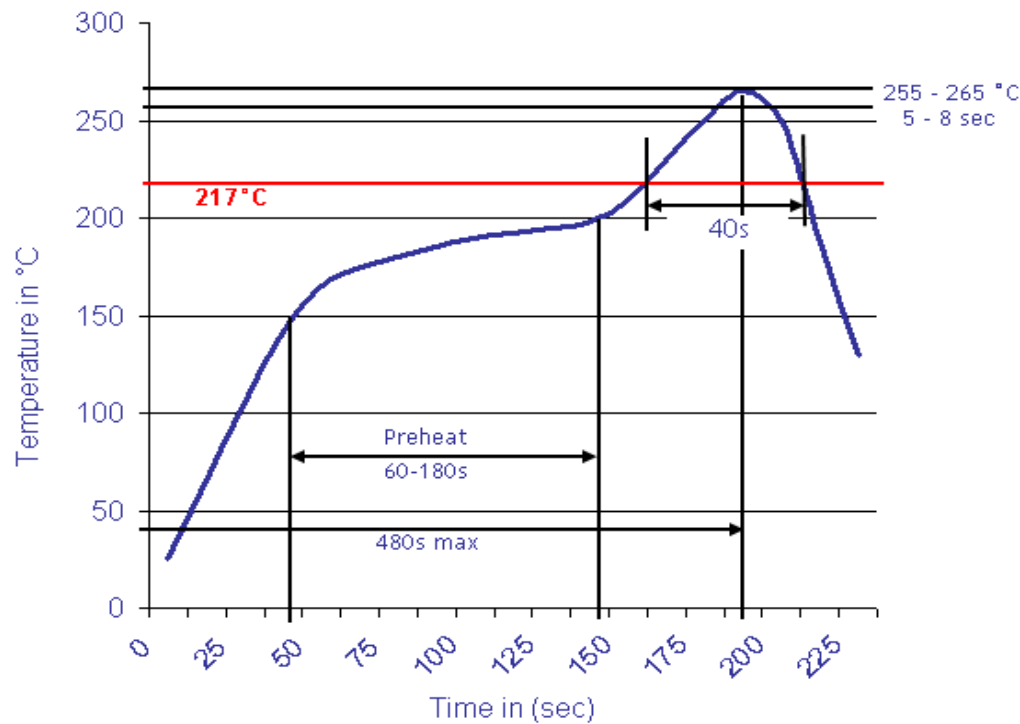
email: info@edcon-components.com



Soldering Profile Curve

Lead Free Soldering Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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