- Complies with requirement of IEEE 802.3ab standards.
- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Design for 1000 BASE transmission over UTP-5 cable.
- Compliance with ROHS requirements.
- Operating temperature range: 0℃ to +70℃.
- Storage temperature range: -25℃ to +85℃.



T

Electrical specifications @ 25℃

Part Number	Turns Ratio (±2%)		OCL (uH Min) @ 100 KHz/0.1V with 8mA DC Bias	DCMR (dB Min)			HI-POT (Vrms) pri : sec
	TX	RX		0.3-30MHz	60MHz	100MHz	
DA6T001A3	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA6T103A3	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA6T104A1	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500

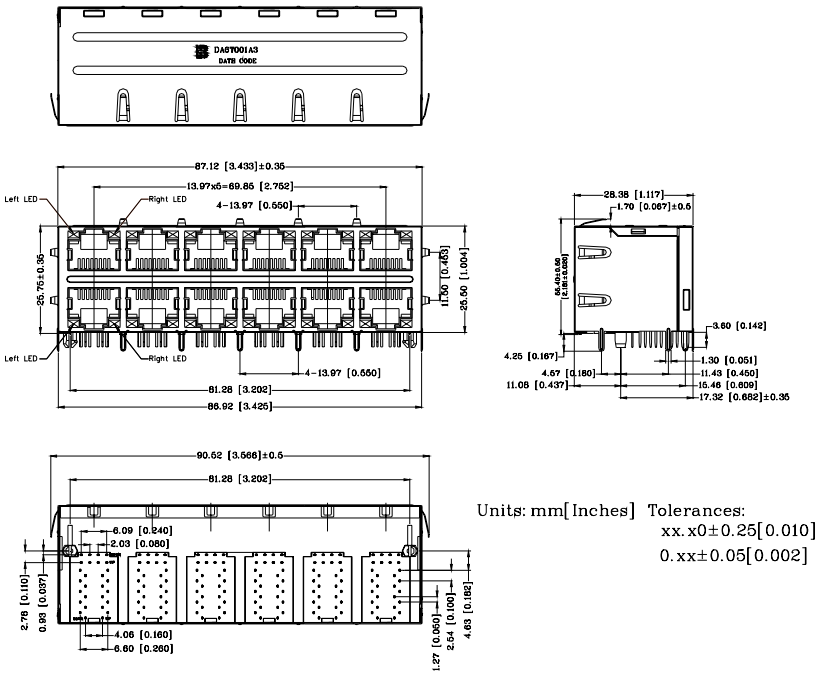
Continue

Number	Return Loss (dB Min)					Cross talk (dB Min)				Insertion Loss (dB Max)
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	0.5-10MHz	30MHz	50MHz	100MHz	1-100MHz
DA6T001A3	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA6T103A3	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA6T104A1	-18	-15.5	-13.5	-12	-10	-50	-40	-35	-30	-1.0

For customized parts or more detailed information, please log on ***www.bothhandusa.com*** or write to ***sales@bothhandusa.com***

Mechanicals

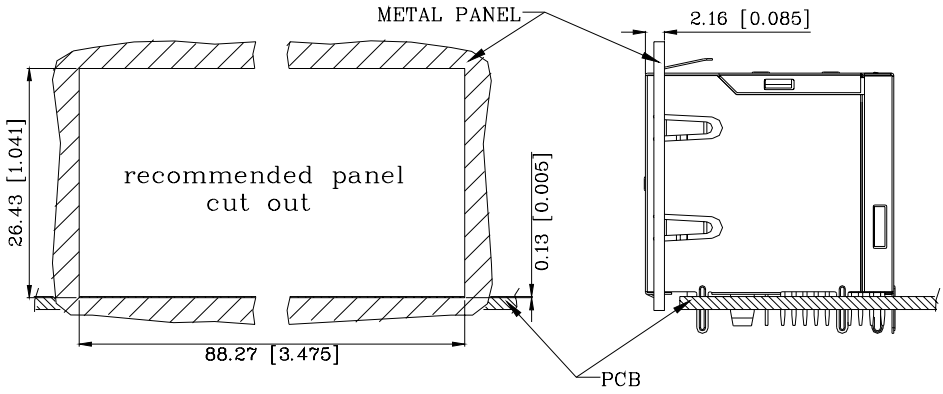
DA6TXXXX



1. Plastic Material	:	Thermoplastic (UL 94V-0), Black Housing
2. Metal Shield	:	Brass, 30u" inches thick Nickel
3. Spring Wire	:	Phosphor bronze
4. Solder Pin	:	0.5x0.35mm, Phosphor bronze with solder Plated
5. Durability	:	750 Mating cycles Min.

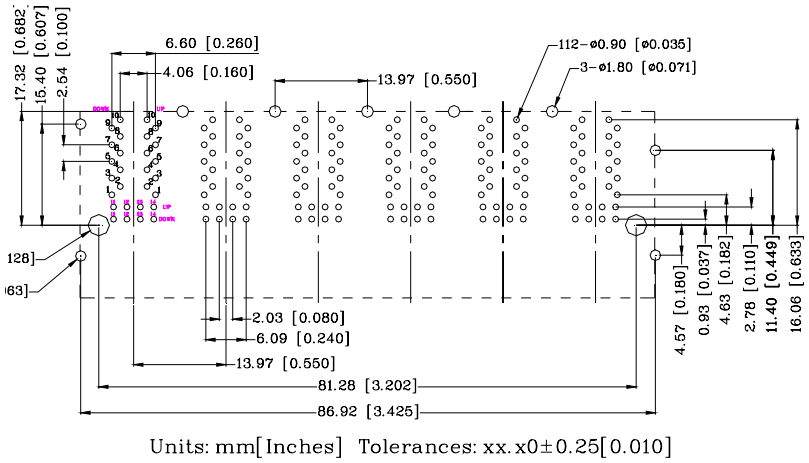
Suggested Panel Opening

DA6XXXXX



PCB Layout Mounting Hole (Top View)

DA6XXXXX

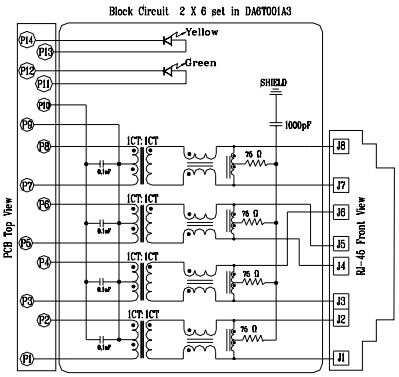


Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]

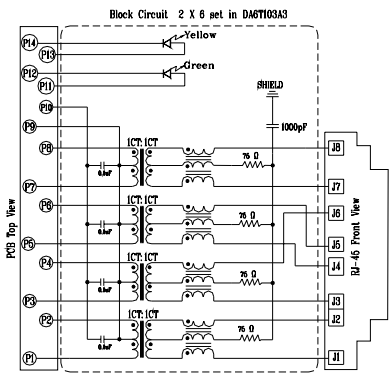
Specification	Packing Manner	Q’ty per Tray	Q’ty/ Inner box	Q’ty/ Carton
DA6TXXXX	Tray	12	84	84

Schematics

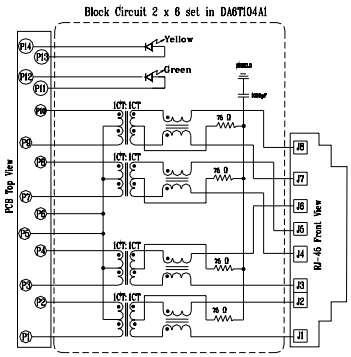
DA6T001A3



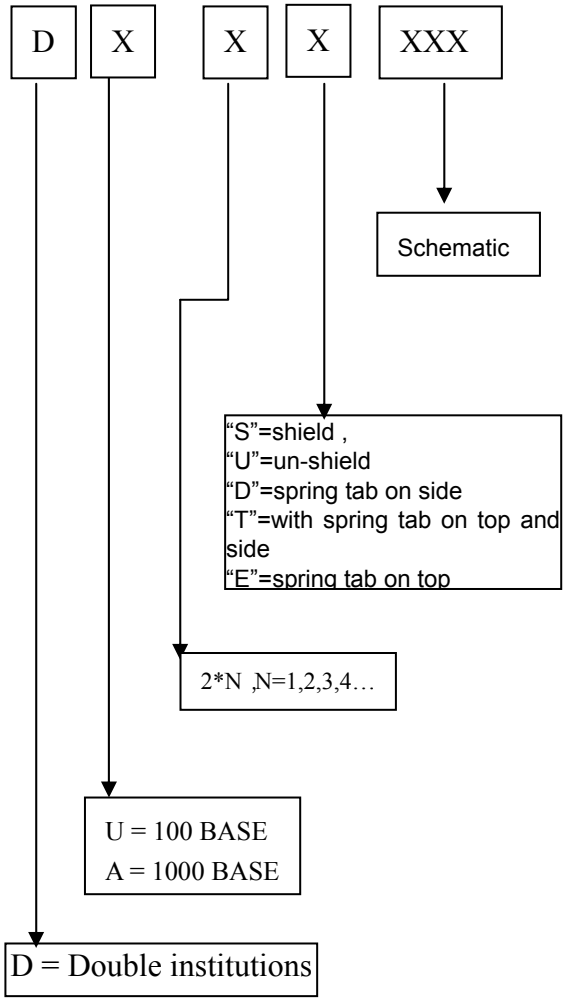
DA6T103A3



DA6T104A1



Ordering Information



Code	RJ45 Plating
	Contact Area
1	6u″ gold
2	15u″ gold
3	30u″ gold
4	50u″ gold

LED Code				
	Left LED		Right LED	
	11+/12-	11-/12+	13+/14-	13-/14+
A	Green	--	Yellow	--
B	Yellow	--	Green	--
C	Green	--	Green	--
D	--	Green	--	Yellow
E	--	Yellow	--	Green
F	Yellow	--	Orange	Green
G	Green	--	Green	Yellow
H	Orange	Green	Orange	Green
I	Yellow	Green	Red	Yellow
J	Yellow	Green	Yellow	Green
K	Green	Orange	Green	Orange
U	Green	Yellow	Green	Yellow
0	--	--	--	--