



PC BOARD LAYOUT

Notes:

- 1.Material:**
 - 1.1 Insulator: P.B.T UL 94-V0 rated.
 - 1.2 Contact: Copper alloy, $t=0.20\text{mm}$.
 - 1.3 Shell: Cold rolled steel, $t=0.40\text{mm}$.
- 2.Specification:**
 - 2.1 Current rating: 1 A Max.
 - 2.2 Dielectric withstanding voltage: 500 V(ac) for 1 minute.
 - 2.3 Contact resistance: 30 mΩ Max.
 - 2.4 Insulation resistance: 1000 MΩ Min at DC 500V.
 - 2.5 Total mating force: 7.0 Kgf Max.
 - 2.6 Total unmating force: 1.5 Kgf Min.
 - 2.7 Temperature range: $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- 3.Finishes:**
 - 3.1 contacts: Gold flashed 1u",3u",5u",10u",15u",30u".
 - 3.2 Shell: Nickel/tin or gold plated

6	Hex Screw	2	Copper 4 bay	HS-10	Matched Plated
7	Boardcut NUT	2	Copper 4 bay	HS-25H15	Matched Plated
8	80Nur	2	Copper 4 bay	HS-25H0	Matched Plated
5	30Nur	2	Copper 4 bay	HS-25H25	Matched Plated
4	Back-shel	1	Cold Rolled Steel	T-40mm	Tin Plated
3	Front-shel	1	Cold Rolled Steel	T-40 40mm	Matched Plated
2	Connect	9-37	Copper 4 bay	T-20 20mm	Gold Plated
1	Housing	1	PBT	UL 94-V0	Black/Grey/White
No	Part Name	Qty	Material	Remarks & Thickness	Finish

PART NO	A ± 0.25	B ± 0.20	C ± 0.20	D ± 0.20	E ± 0.20	F ± 0.25	G ± 0.25	H ± 0.05	I ± 0.10	J ± 0.25	K ± 0.25
YEN09P	10.81	24.99	16.92	8.38	16.9		12.55	2.77	2.84		
YEN15P	19.25	33.32	25.25	8.38	16.9		12.55	2.77	2.84		
YEN25P	53.04	47.04	38.96	8.38	16.9		12.55	2.77	2.84		
YEN37P	69.50	63.50	55.42	8.38	16.9		12.55	2.77	2.84		

PART NO:		MATERIAL:			
MODEL NO:		FINISH:			
UNIT:	SIZE:	COLOR:			
mm	1/4				
TOLERANCE UNSPECIFIED		DR: <i>Boyle</i>			
.X	±0.3	DW: <i>Web</i>		DWG NO:	HC-005
.3X	±0.20	APP: <i>Kani</i>		SCALE:	1:1
.3X	±0.100			SHEET:	1 of 1
.3X	±1"				