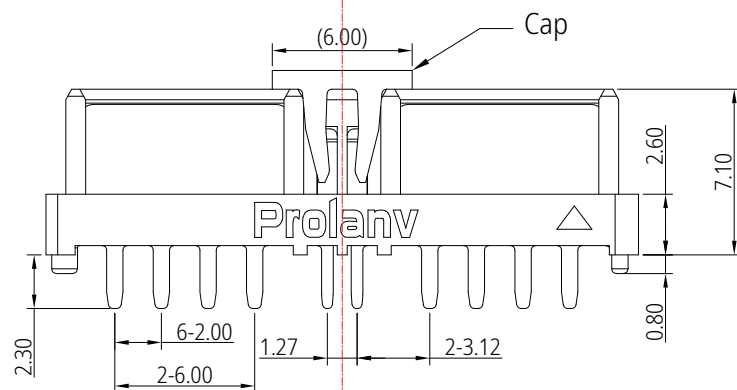
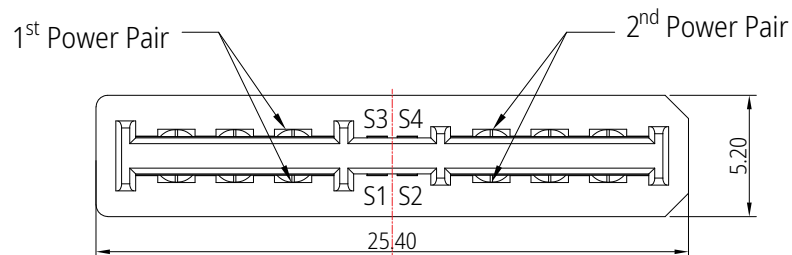
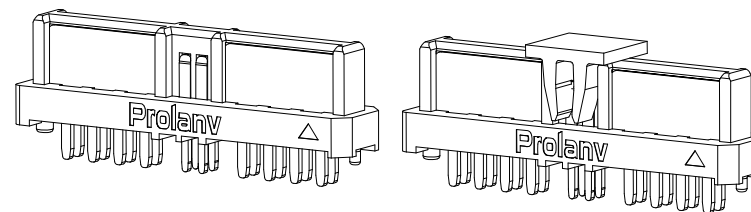


Recommended P.C.B Layout (Top View)
Tolerance: $\pm 0.05\text{mm}$



3D View

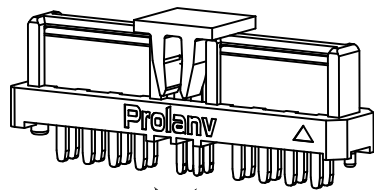
Note:

- Material:
 - Housing: High Temperature Thermoplastic. UL 94 V-0 black.
 - Power Pin & Signal Pin: High Conductivity Copper Alloy.
- Plating Specification:

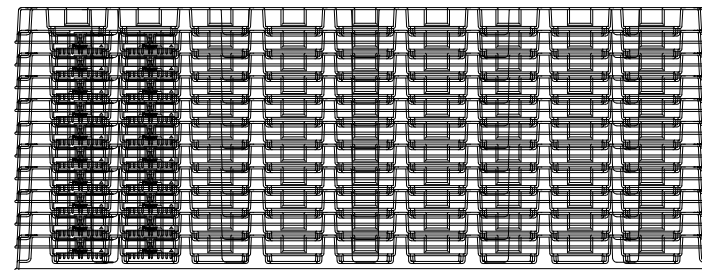
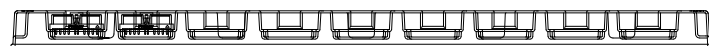
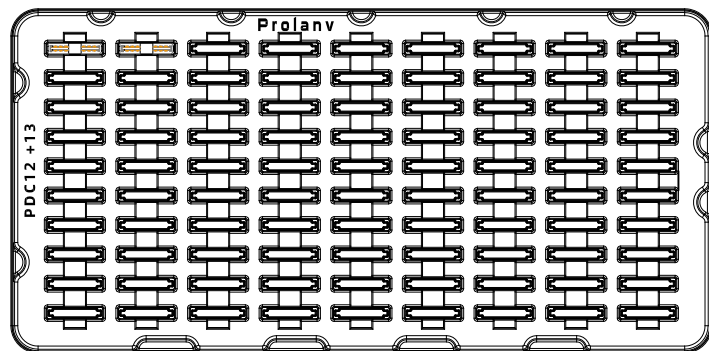
Gold Plating on the functional area and on tails of contact, Nickel under plated.
- Electrical Performance:
 - Current rating: 50A/Per Power Pair, 1A/Per Signal Pin.
 - Voltage rating: 60V DC/Power Pin, 30V DC/Signal Pin.
 - LLCR (Power Pin): 0.5m Ω max.(initial), 1.0m Ω max.(final).
 - LLCR (Signal Pin): 20m Ω max.(initial), 30m Ω max.(final).
 - Dielectric Withstanding Voltage: 500V AC (RMS) for 60s.
 - Insulation Resistance: 500M Ω min. @ 500V DC.
- Mechanical Performance:
 - Insertion force: 39.2N (4.0kgf) max.
 - Withdrawal force: 4.9N (0.5kgf) min.
 - Durability life: 2,000 cycles.
- IR Reflow:

The peak temperature on board shall be maintained for 10 seconds at $260\pm 5^\circ\text{C}$.
- Operating temperature range: -40°C ~ 125°C .
- All part RoHS and Reach compliant.

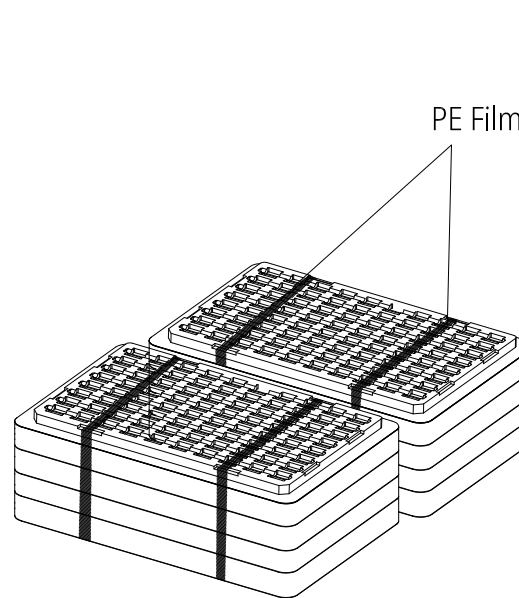
THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF PROLANV INC. AND SHALL NOT BE COPIED OR USED WITHOUT PROLANV PERMISSION	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	Prolanv®		
	X $\pm$ 0.30	X° $\pm$ 3°	PDC1310B0001			
	.XX $\pm$ 0.20	.X° $\pm$ 2°	APPROVED BY	TITLE Mini Power Male. 2PW+4S. 50A max. Straight DIP Type		
	.XXX $\pm$ 0.10	.XX° $\pm$ 1°	Henry			
	CUSTOMER DRAWING		CHECKED BY	DWG NO. PDC13-10		
			Poplar			
SIZE		UNITS	DRAWN BY		SHEET	SCALE
A4		mm[only]	Kaylee		1 / 2	1:1
					REV	A2



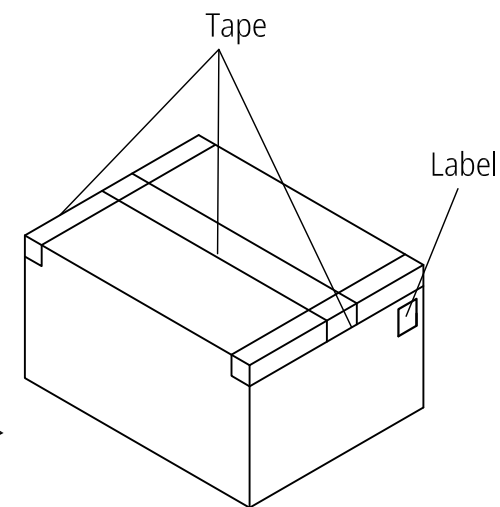
90pcs/Tray



Total 2*10 Layers

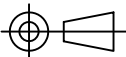


PE Film



Notes:

1. Q'ty: 90Pcs/Tray, 2x10Layers=1,800 Pcs/Carton.
2. Tray Pallet size: 332*162*17mm.
3. Carton size: 350*350*155mm.

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	X ± 0.30	X° ± 3°	PDC1310B0001			
	.XX ± 0.20	.X° ± 2°	APPROVED BY	TITLE Mini Power Male. 2PW+4S. Straight DIP Type Packaging		
	.XXX ± 0.10	.XX° ± 1°	Henry			
	CUSTOMER DRAWING		CHECKED BY	DWG NO. P-PDC13-10		
			Poplar			
	SIZE	UNITS	DRAWN BY		SHEET	SCALE
A4	mm[only]	Kaylee	2 / 2		NA	A1