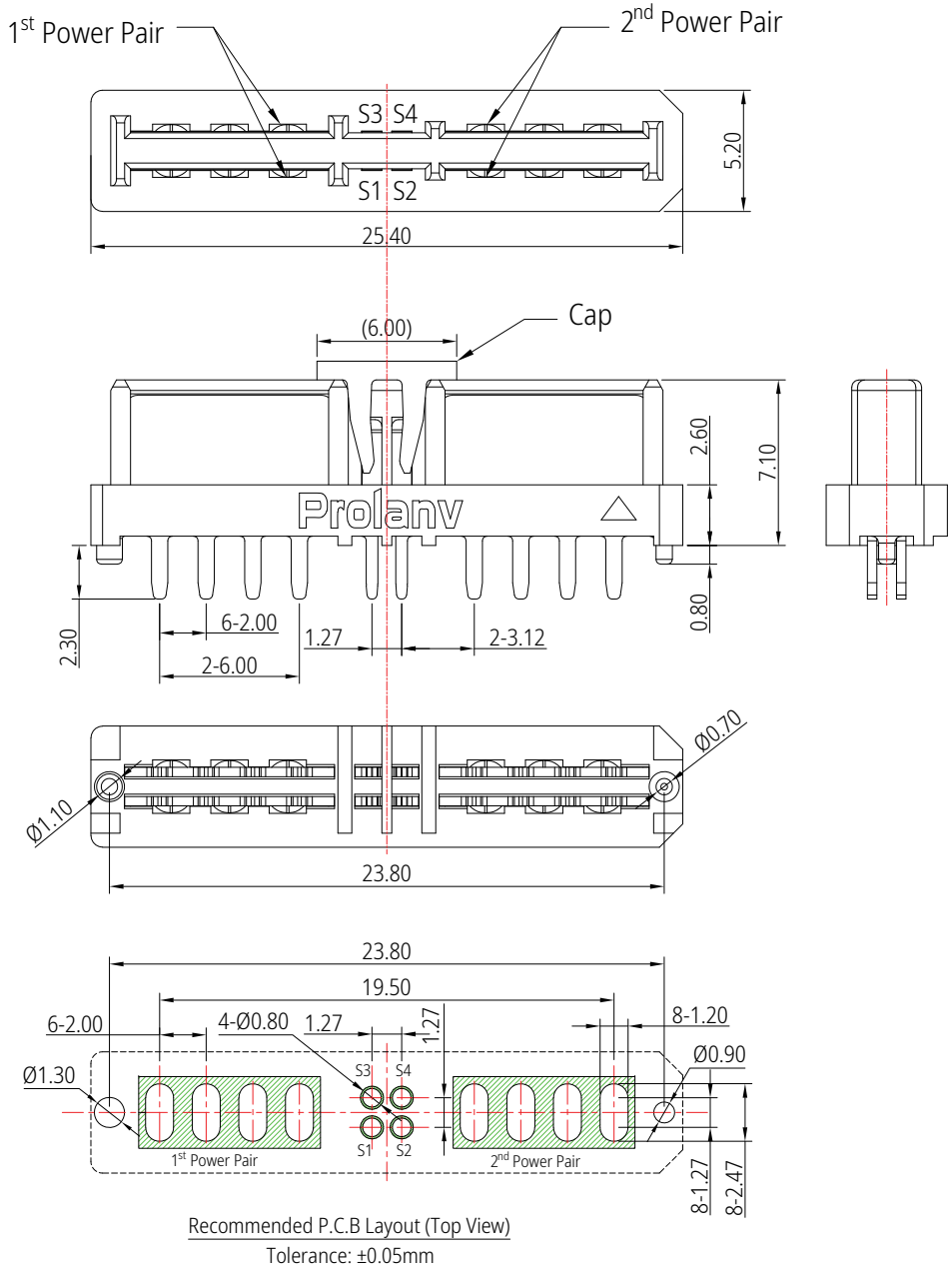
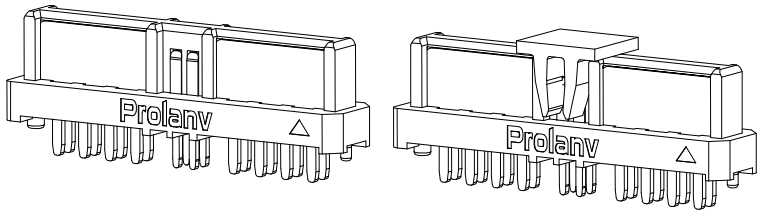


Recommended P.C.B Layout (Top View)
Tolerance: ±0.05mm



3D View

Note:

1. Material:
   1-1.Housing: High Temperature Thermoplastic. UL 94 V-0 black.
   1-2.Power Pin & Signal Pin: High Conductivity Copper Alloy.
2. Plating Specification:
   Gold Plating on the functional area and on tails of contact, Nickel under plated.
3. Electrical Performance:
   3-1.Current rating: 50A/Per Power Pair, 1A/Per Signal Pin.
   3-2. Voltage rating: 60V DC/Power Pin, 30V DC/Signal Pin.
   3-3.LLCR (Power Pin): 0.5mΩ max.(initial), 1.0mΩ max.(final).
   3-4.LLCR (Signal Pin): 20mΩ max.(initial), 30mΩ max.(final).
   3-5.Dielectric Withstanding Voltage: 500V AC (RMS) for 60s.
   3-6.Insulation Resistance: 500MΩ min. @ 500V DC.
4. Mechanical Performance:
   4-1. Insertion force: 39.2N (4.0kgf) max.
   4-2. Withdrawal force: 4.9N (0.5kgf) min.
   4-3. Durability life: 2,000 cycles.
5. IR Reflow:
   The peak temperature on board shall be maintained for 10 seconds at 260±5°C.
6. Operating temperature range: -40°C~125°C.
7. All part RoHS and Reach compliant.

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION

GENERAL TOLERANCES UNLESS SPECIFIED			
.X± 0.30		X.°± 3°	
.XX± 0.20		.X°± 2°	
.XXX± 0.10		.XX°± 1°	
CUSTOMER DRAWING			
SIZE	UNITS		
A4	mm[only]		

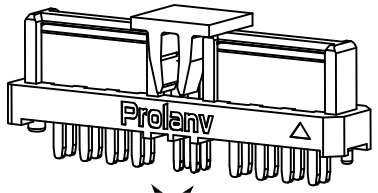
PART NO.	PDC1310B0001
APPROVED BY	Henry
CHECKED BY	Poplar
DRAWN BY	Kaylee

Prolanv®

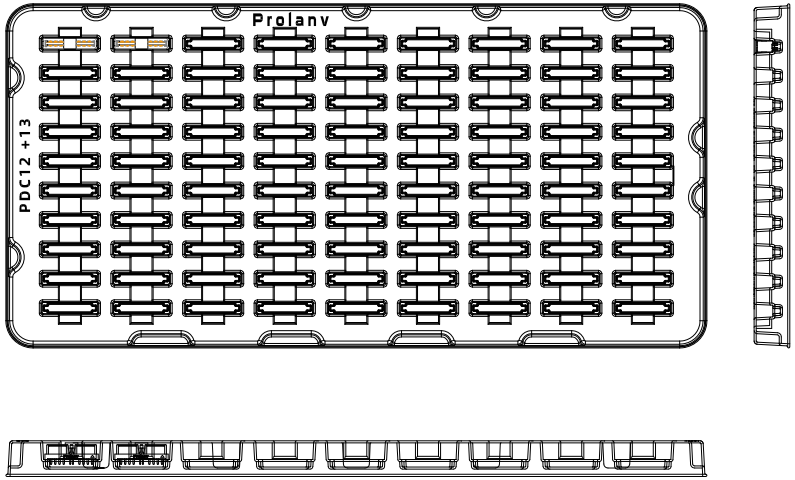
TITLE	Mini Power Male. 2PW+4S. 50A max. Straight DIP Type
DWG NO.	PDC13-10

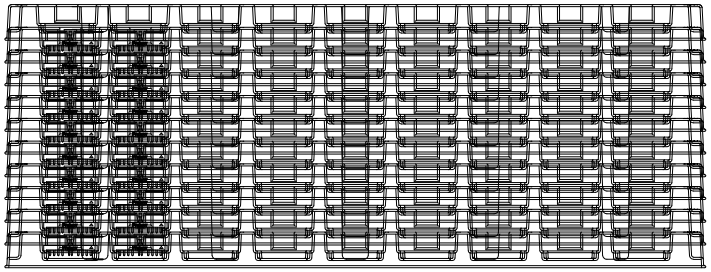
SHEET	SCALE	REV
1 / 2	1:1	A2

Copyright **Prolanv** Inc. www.prolanv.com

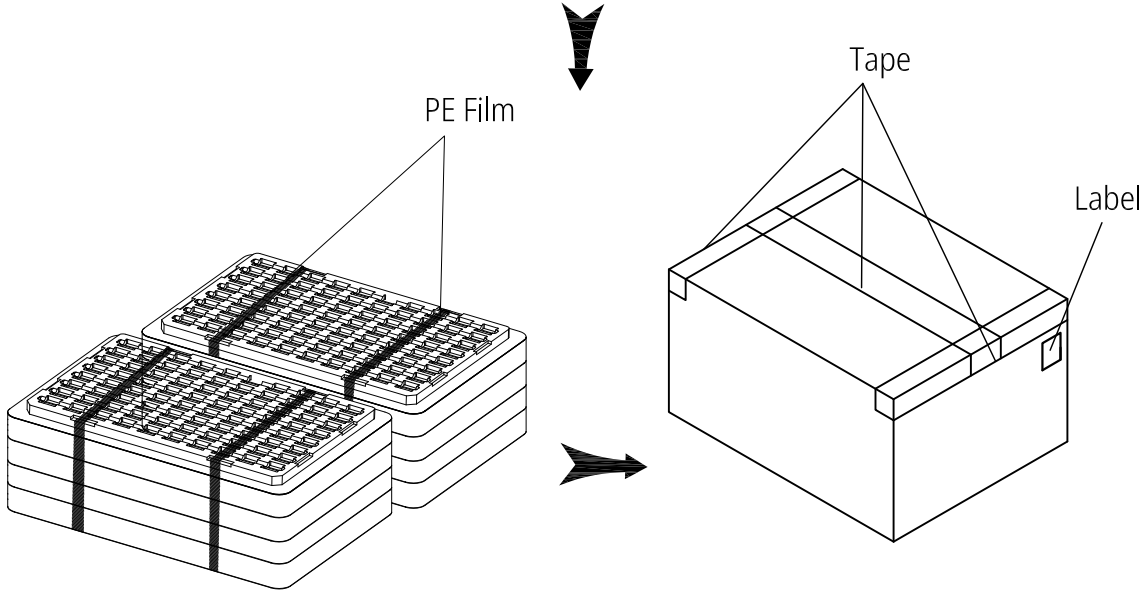


90pcs/Tray





Total 2*10 Layers



Notes:

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

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF **Prolanv** AND SHALL NOT BE COPIED OR USED WITHOUT **Prolanv** PERMISSION

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

Copyright **Prolanv** Inc. www.prolanv.com