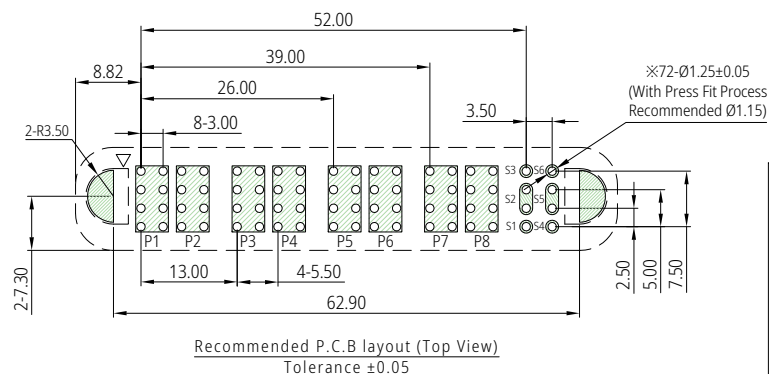
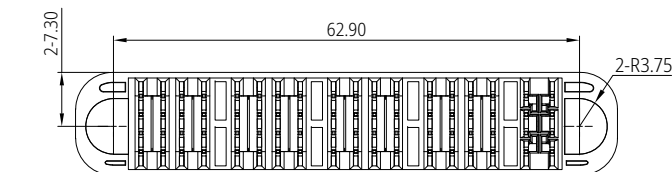
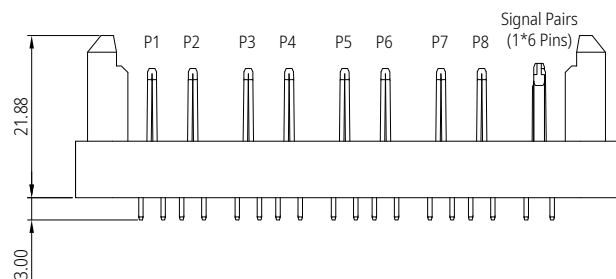
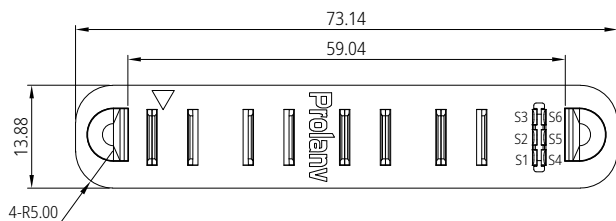




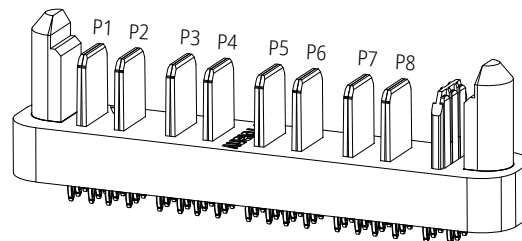
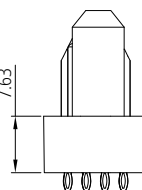
Recommended P.C.B layout (Top View)
Tolerance ± 0.05

Part Number: PDC1920F0003

Optional Long Power blade
可选项 长电源P组数 | Pairs
Code: 1~9 & A~C

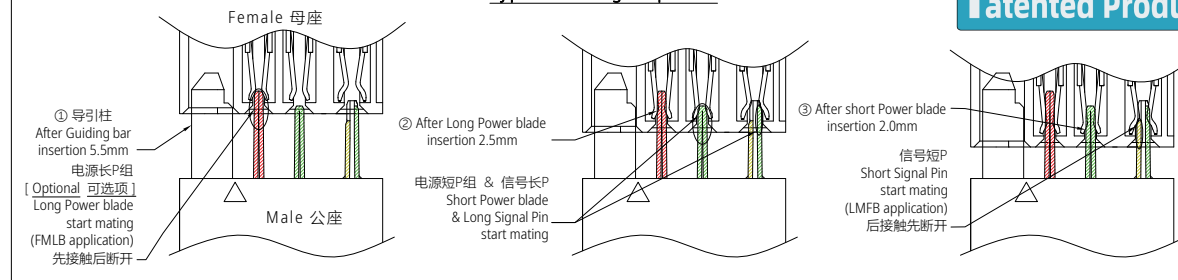
Long Power blade
长电源P组 | 起始位
Start location code: 1~9 & A~C

Long Power blade
长电源P组 | 终止位
End location code: 1~9 & A~C



3D View

Typical Mating Sequence



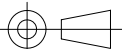
Notes:

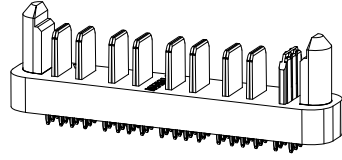
- Material Specification:
 - 1-1. Housing: High Temperature Thermoplastic. UL94 V-0, Black;
 - 1-2. Contact: High Conductivity Copper Alloy;
 - 1-3. Metal Rod: Alloy.
- Plating Specification:
 - 2-1. Contact: Gold plating on Contact area, Matte Tin 80μ " min. on Tails, and 50μ " min. Nickel overall;
 - 2-2. Metal Rod: Nickel overall.
- Electrical performance:
 - 3-1. Voltage Rating: 250v DC/power blade, 120v DC/signal pin;
 - 3-2. Current Rating: 60A (per pair power blade), 3A (per signal pin).
 - 3-3. LLCR:
 - initial $0.6m\Omega$ max., finished $1.0m\Omega$ maximum change.(per pair power blade);
 - initial $10m\Omega$ max., finished $20m\Omega$ maximum change.(per signal pin).
 - 3-4. Dielectric Withstanding Voltage:
 - 1500v DC rms/power blade; 500v DC rms/signal pin.
 - 3-5. Insulation Resistance:
 - 5000 M Ω min/Power blade; 500 M Ω min/Signal Pin.
- Mechanical Performance:
 - 4-1. Insertion Force: 19.6N (2.0kgf) max./Per Pair;
 - 4-2. Withdrawal Force: 4.5~11N (0.4~1.2kgf)/Per Pair;
 - 4-3. Durability Life: 10,000 cycles. max.
- IR Reflow:
 - The peak temperature on board shall be maintained for 10 seconds at $260 \pm 5^\circ\text{C}$.
- Operating Temperature rang: $-40 \sim 125^\circ\text{C}$.
- All parts RoHS and Reach compliant.
- ※ See SPS-PDC-06 for Terminal details.

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

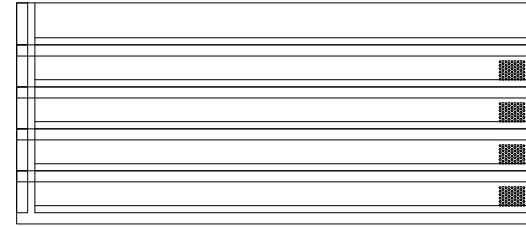
GENERAL TOLERANCES UNLESS SPECIFIED	
X $\pm$ 0.30	X $^\circ$ $\pm$ 3 $^\circ$
XX $\pm$ 0.20	X $^\circ$ $\pm$ 2 $^\circ$
XXX $\pm$ 0.05	XX $^\circ$ $\pm$ 1 $^\circ$

PART NO.	
PDC1920F0003	
APPROVED BY	
Henry	
CHECKED BY	
Poplar	
DRAWN BY	
Kaylee	

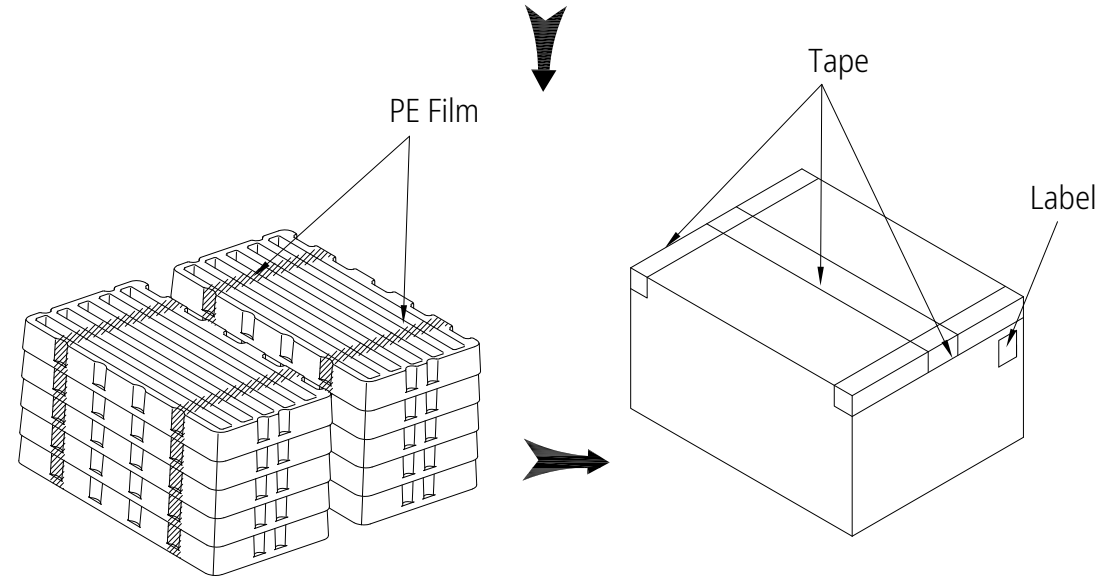
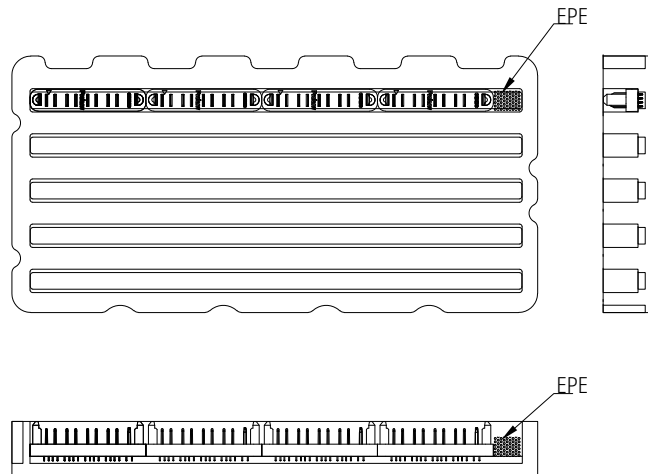
Prolanv®				
TITLEEN60A series Power Male. 8PW+6S, Straight Type				
DWG NO.PDC19-23				
	SHEET	SCALE	REV	
	1 / 2	1:1	A2	



20pcs/Tray



Total 2*4 Layers



Notes:

1. Q'ty: 20Pcs/Tray, 2x4 Layers=160 Pcs/Carton.
2. Tray Pallet size: 332*162*17mm.
3. Carton size: 350*350*155mm.

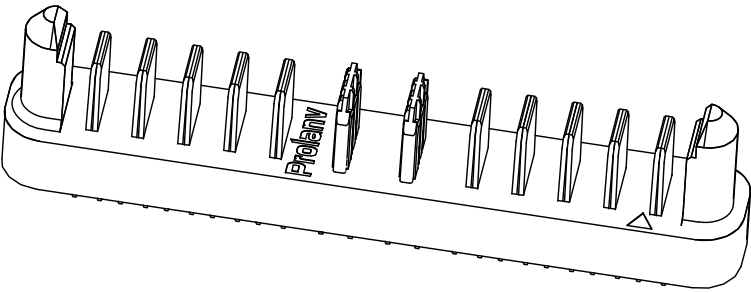
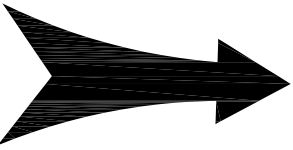
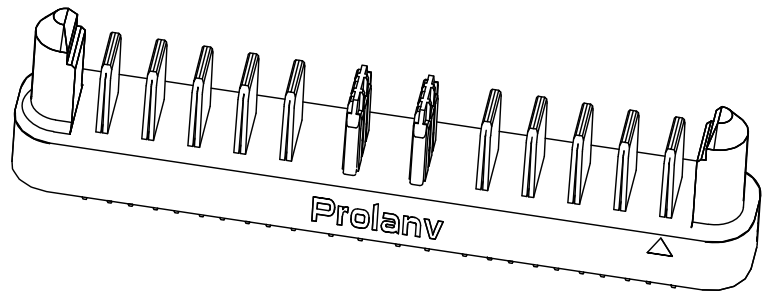
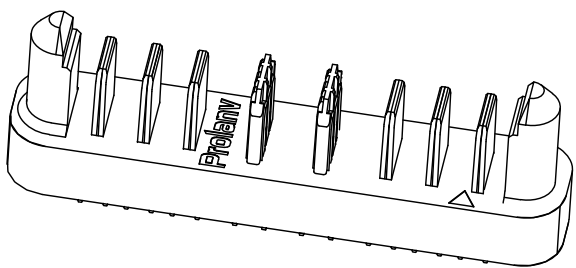
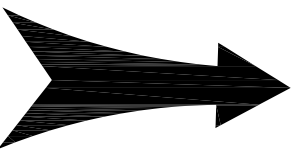
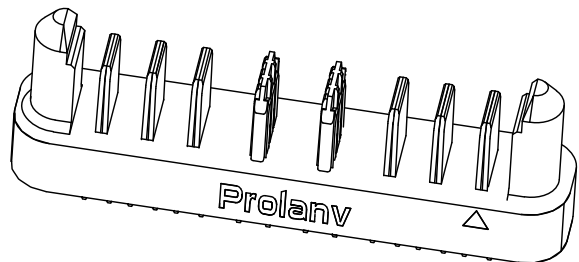
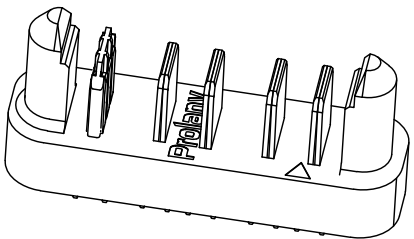
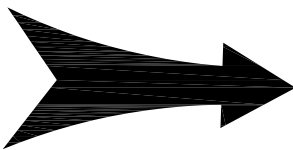
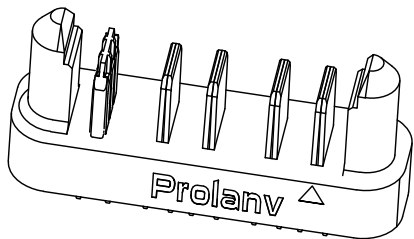
THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	Prolanv®			
	X± 0.20	X°± 3°	PDC1920F0003				
	XX± 0.10	X°± 2°	APPROVED BY	EN60A series Power Male. 8PW+6S, Straight Type Packaging			
	XXX± 0.05	XX°± 1°	Henry				
	CUSTOMER DRAWING		CHECKED BY	P-PDC19-23			
			Poplar				
SIZE		UNITS	DRAWN BY		SHEET	SCALE	REV
A4		mm[only]	Kaylee		2 / 2	NA	A2

1 2 3 4 5 6 7 8

F
E
D
C
B
A

F
E
D
C
B
A

EN60A series marks upgraded



1 2 3 4 5 6 7 8