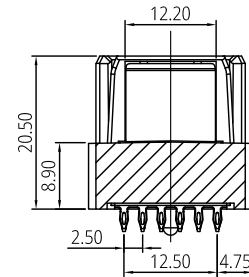
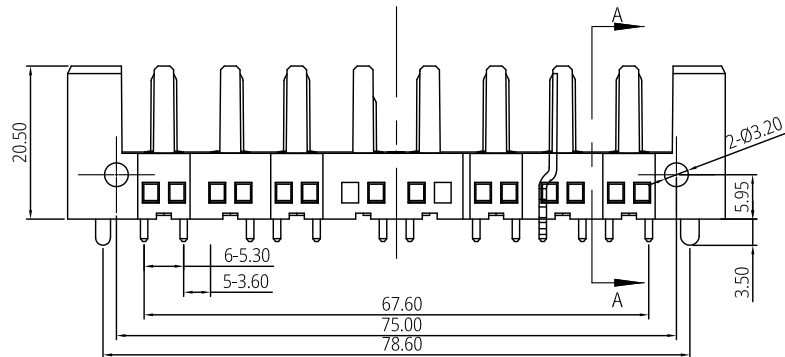


Recommended P.C.B layout (Top View)
Tolerance ± 0.05

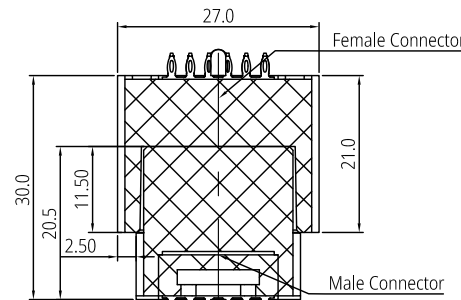
Notes:

1. Material Specification
 - 1-1. Housing: High Temperature Thermoplastic, UL94 V-0, Black.
 - 1-2. Contact: High Conductivity Copper Alloy.
2. Plating Specification:
 - 2-1. Contact: Au30 μ m plating on Contact area, matte Tin 80 μ m min. on Tails, and 50 μ m min, Nickel overall.
3. Electrical performance
 - 3-1. Voltage Rating: 600v DC/250v AC/Power Blade, 120v AC/DC/Signal Pin.
 - 3-2. Current Rating: 150A Max./per Power Blade, 7.5A Max/Per Signal Pin.
 - 3-3. LLCR: initial 0.5m Ω max., finished 1.0m Ω max.(per Power Blade), initial 10m Ω max., finished 20m Ω max.(per Signal Pin).
 - 3-4. Dielectric Withstanding Voltage: 2000v DC rms/Power Blade, 500v DC rms/Signal Pin.
 - 3-5. Insulation Resistance: 5000 M Ω min/power blade.
4. Mechanical Performance:
 - 4-1. Insertion force: 39.2N (4.0kgf)/Per Pair, max.
 - 4-2. Withdrawal force: 9.8N~34.3N (1.0~3.5kgf)/Per Pair.
 - 4-3. Durability life: 10,000 cycles max.
5. IR Reflow:

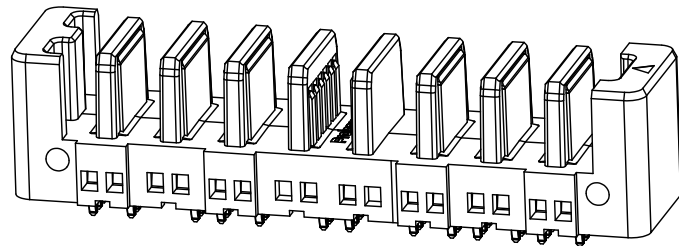
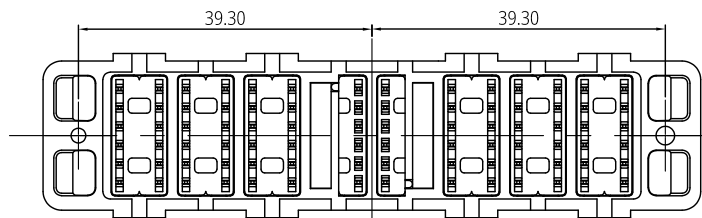
The peak temperature on board shall be maintained for 10 seconds at 260 \pm 5 $^{\circ}$ C.
6. Operating Temperature Range: -40~125 $^{\circ}$ C(without loss function).
7. All parts RoHS and Reach compliant.



Section A-A

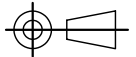


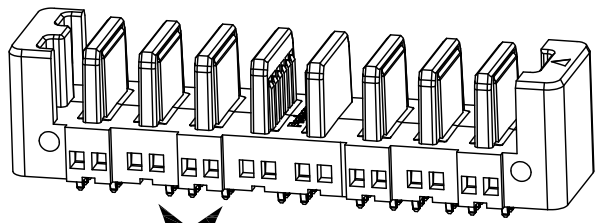
Mating View



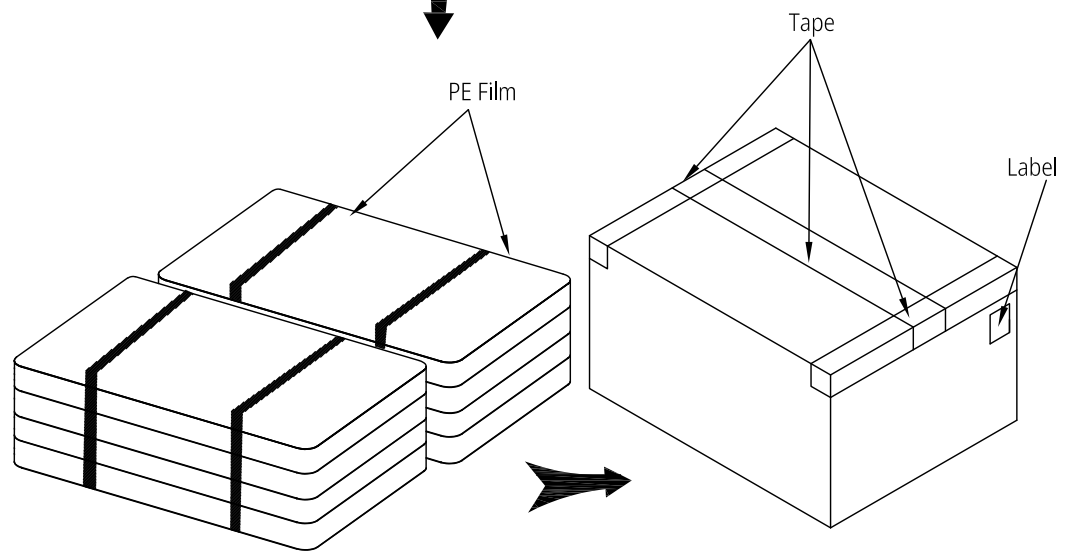
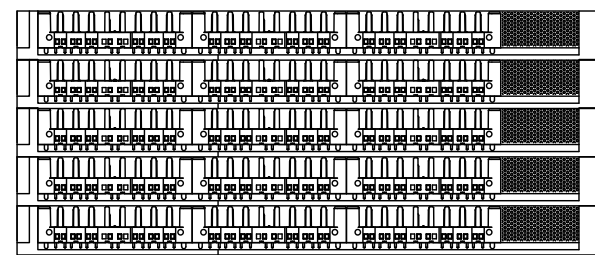
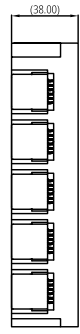
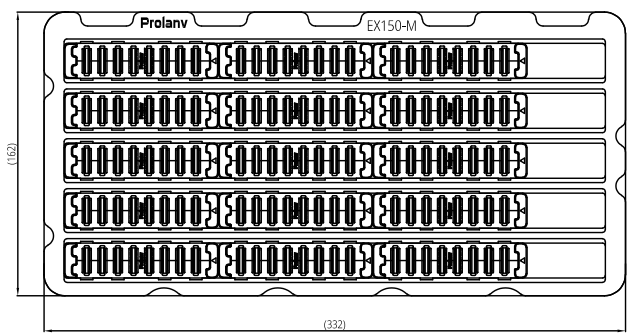
3D View

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| | | | | | | |
|-------------------------------------|-----------------------------------|--------------|--|---|-------|-----|
| GENERAL TOLERANCES UNLESS SPECIFIED | | PART NO. | | Prolanv [®] | | |
| X \pm 0.30 | X $^{\circ}$ \pm 3 $^{\circ}$ | PDC3730F0001 | | | | |
| .XX \pm 0.20 | .X $^{\circ}$ \pm 2 $^{\circ}$ | APPROVED BY | | TITLE | | |
| .XXX \pm 0.05 | .XX $^{\circ}$ \pm 1 $^{\circ}$ | Mike | | EX150 Series Hi-Current Power Male. H20.5mm, 6PW+12S Vertical Type | | |
| CUSTOMER DRAWING | | CHECKED BY | | DWG NO. | | |
| | | Harry | | PDC37-30 | | |
| SIZE | UNITS | DRAWN BY | |  | | |
| A4 | mm[only] | Poplar | | | | |
| | | | | SHEET | SCALE | REV |
| | | | | 1 / 2 | 1:1 | A0 |



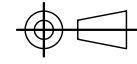
15 Pcs/Tray



Notes:

1. Q'ty: 15 Pcs/Tray, 2x5 Layers=150 Pcs/Carton.
2. Tray Pallet size: 332*162mm.
3. Carton size: 350*350*155mm.

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| | | | | | | | | | | | | |
|-------------------------------------|-------------------|--------------------------|--|--|--|--|--|-------|-----|-------|-----|----|
| GENERAL TOLERANCES UNLESS SPECIFIED | | PART NO. PDC3730F0001 | | Prolanv [®] | | | | | | | | |
| X ± 0.30 | X° ± 3° | APPROVED BY Mike | | | | | TITLE EX150 Series Hi-Current Power Male. H20.5mm, 6PW+12S Packaging | | | | | |
| .XX ± 0.20 | .X° ± 2° | CHECKED BY Harry | | DWG NO. P-PDC37-30 | | | | | | | | |
| .XXX ± 0.05 | .XX° ± 1° | CUSTOMER DRAWING | | DRAWN BY Poplar | | | | | | | | |
| SIZE A4 | UNITS mm[only] | DRAWN BY Poplar | |  <table border="1"> <tr> <td>SHEET</td> <td>SCALE</td> <td>REV</td> </tr> <tr> <td>2 / 2</td> <td>N/A</td> <td>A0</td> </tr> </table> | | | SHEET | SCALE | REV | 2 / 2 | N/A | A0 |
| SHEET | SCALE | REV | | | | | | | | | | |
| 2 / 2 | N/A | A0 | | | | | | | | | | |