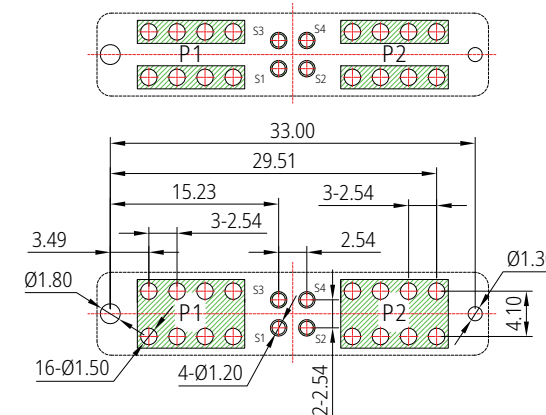
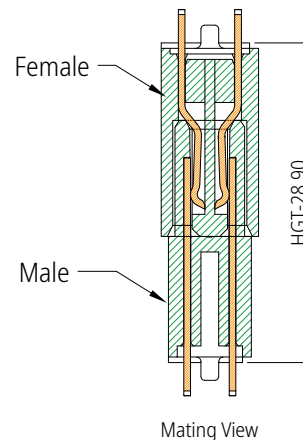
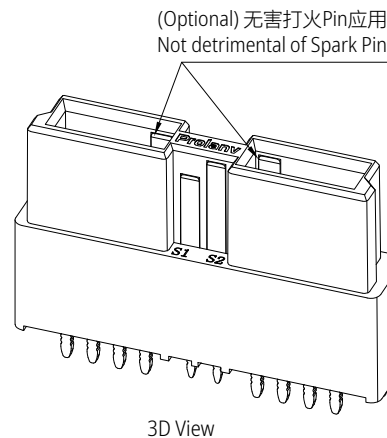
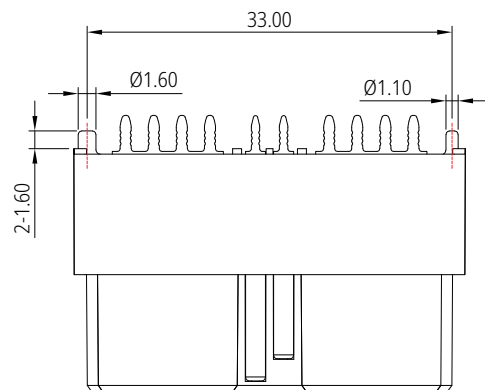
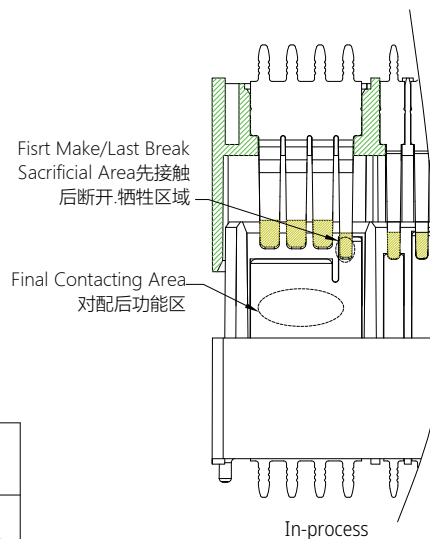
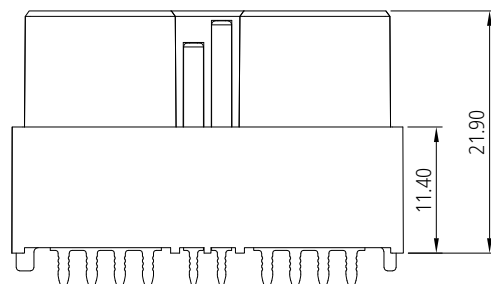
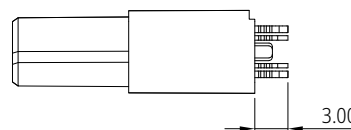
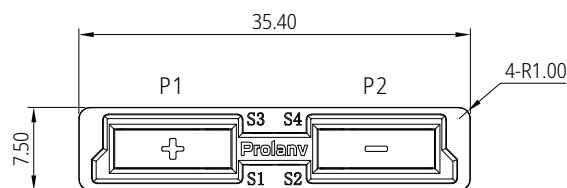




Recommended P.C.B layout (Top View)  
Tolerance  $\pm 0.05$

Notes:

- Material Specification:
  - Housing: High Temperature Thermoplastic. UL94 V-0, Black;
  - Contact: High Conductivity Copper Alloy;
- Plating Specification:
  - Contact: Gold plating on Contact area, Matte Tin  $80\mu$ " min. on Tails, and  $80\mu$ " min. Nickel overall;
- Electrical performance:
  - Voltage Rating: 250v DC/power blade, 120v DC/Signal Pin.
  - Current Rating: 60A (per pair power blade), 3A (Per Signal Pin).
  - LLCR:
    - initial  $0.6m\Omega$  max., finished  $1.0m\Omega$  maximum change.(per pair power blade).
    - initial  $10m\Omega$  max., finished  $10m\Omega$  maximum change.(per signal pin).
  - Dielectric Withstanding Voltage:
    - 1500v DC rms (RMS) for 60s.
  - Insulation Resistance:
    - $3000 M\Omega$  ,min./Power blade,  $500 M\Omega$  min./Signal Pin.
- Mechanical Performance:
  - Insertion Force:  $39.2N$  (4.0kgf) max.
  - Withdrawal Force:  $9.8\sim 34.3N$  (1.0~3.5kgf).
  - Durability Life: 5,000 cycles max.
- IR Reflow:
  - The peak temperature on board shall be maintained for 10 seconds at  $260\pm 5^\circ c$ .
- Operating Temperature rang:  $-40\sim 125^\circ c$ .
- All parts RoHS and Reach compliant.



|             |              |                                            |
|-------------|--------------|--------------------------------------------|
| Part Number | PDC5310C0001 | 普通非防水款<br>Non-waterproof spec.             |
| Part Number | PDC5311C0001 | (可选) 预灌胶防水款<br>(Optional) waterproof spec. |

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GENERAL TOLERANCES UNLESS SPECIFIED

X±0.30

X°±3°

XX±0.20

XX°±2°

XXX±0.05

XXX°±1°

CUSTOMER DRAWING

SIZE

A4

UNITS

mm[only]

PART NO.

PDC5310C0001

APPROVED BY

Henry

CHECKED BY

Poplar

DRAWN BY

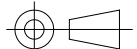
Kaylee

TITLE

Hi-Current Power Male.  
4PW (2Pairs) /4S, Straight Type

DWG NO.

PDC53-10



SHEET

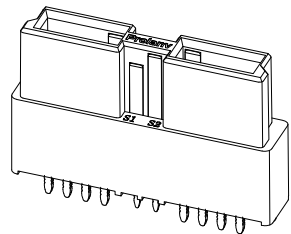
1 / 2

SCALE

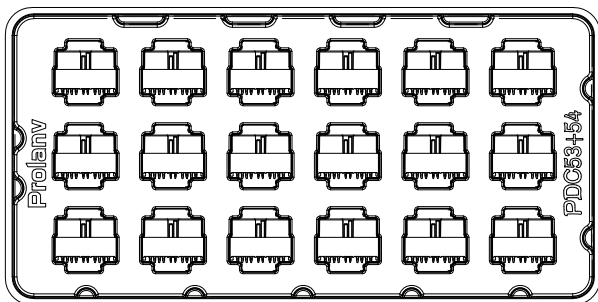
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REV

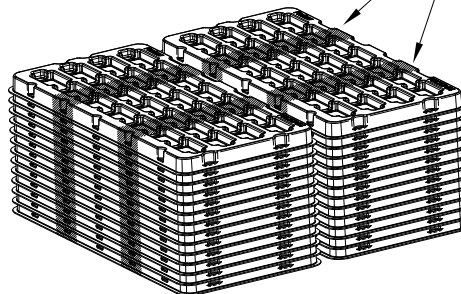
A0



18 Pcs/Tray

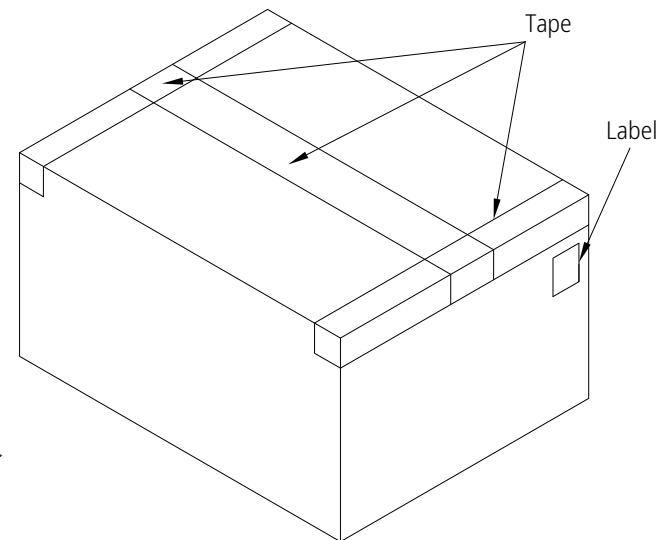


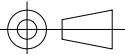
Total: 2x5 Layers



Notes:

1. Q'ty: 18 Pcs/Tray, 2x12 Layers=432 Pcs/Carton.
2. Tray Pallet size: 332\*162mm.
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.<br>PDC5310C0001 |  | <b>Prolanv®</b>                                                                                                                                                                                               |  |  |  |       |       |     |       |    |    |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|--------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------|-------|-----|-------|----|----|
|                                                                                                                       | <del>X± 0.30</del>                  | <del>X°± 3°</del>   | APPROVED BY<br>Henry     |  | TITLE<br>Hi-Current Power Male<br>4PW/4S, Straight Type, Packaging                                                                                                                                            |  |  |  |       |       |     |       |    |    |
|                                                                                                                       | <del>.XX± 0.20</del>                | <del>.X°± 2°</del>  | CHECKED BY<br>Poplar     |  | DWG NO.<br>P-PDC53-10                                                                                                                                                                                         |  |  |  |       |       |     |       |    |    |
|                                                                                                                       | <del>.XXX± 0.05</del>               | <del>.XX°± 1°</del> | DRAWN BY<br>Kaylee       |  | <div><table><tr><th>SHEET</th><th>SCALE</th><th>REV</th></tr><tr><td>2 / 2</td><td>NA</td><td>A0</td></tr></table></div> |  |  |  | SHEET | SCALE | REV | 2 / 2 | NA | A0 |
|                                                                                                                       | SHEET                               | SCALE               | REV                      |  |                                                                                                                                                                                                               |  |  |  |       |       |     |       |    |    |
|                                                                                                                       | 2 / 2                               | NA                  | A0                       |  |                                                                                                                                                                                                               |  |  |  |       |       |     |       |    |    |
| CUSTOMER DRAWING                                                                                                      |                                     |                     |                          |  |                                                                                                                                                                                                               |  |  |  |       |       |     |       |    |    |
| SIZE<br>A4                                                                                                            | UNITS<br>mm[only]                   |                     |                          |  |                                                                                                                                                                                                               |  |  |  |       |       |     |       |    |    |