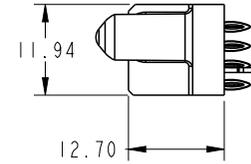
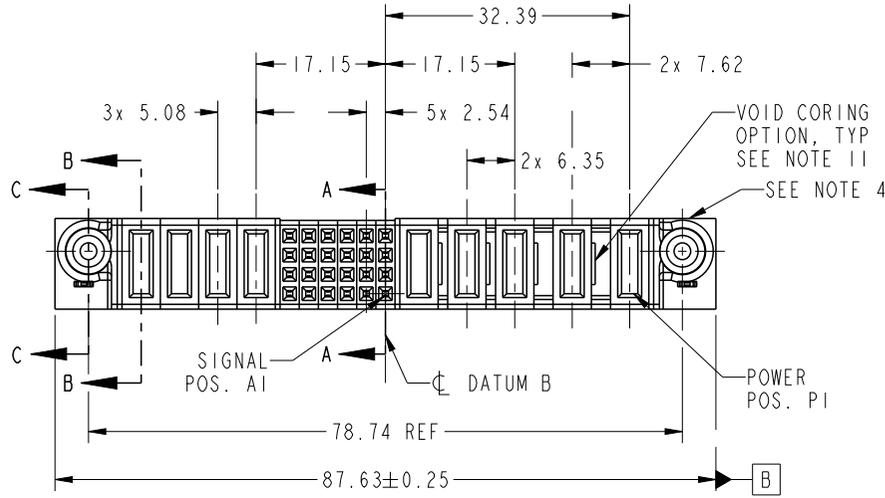


| | | | | | | | | | | | | | | | | | | |
|-------------|------------------|-------|----|----|----|--------|---|---|---|-------|---|---|----|----|----|----|----|----|
| PRODUCT NO. | ROWS | POWER | | | | SIGNAL | | | | POWER | | | | | | | | |
| | | E2 | P9 | P8 | P7 | P6 | 6 | 5 | 4 | 3 | 2 | 1 | P5 | P4 | P3 | P2 | P1 | E1 |
| 51940-650LF | D C B A | | PC | PC | PC | PC | F | F | F | F | F | F | F | F | F | F | F | HA |

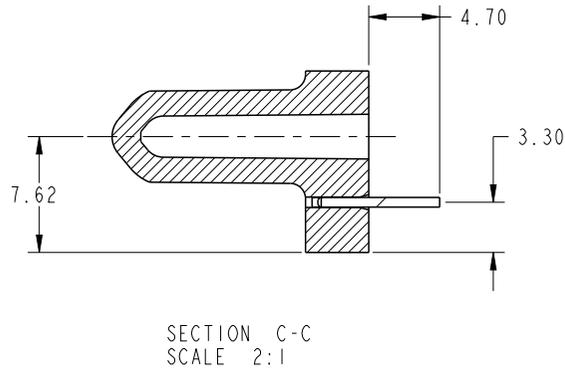
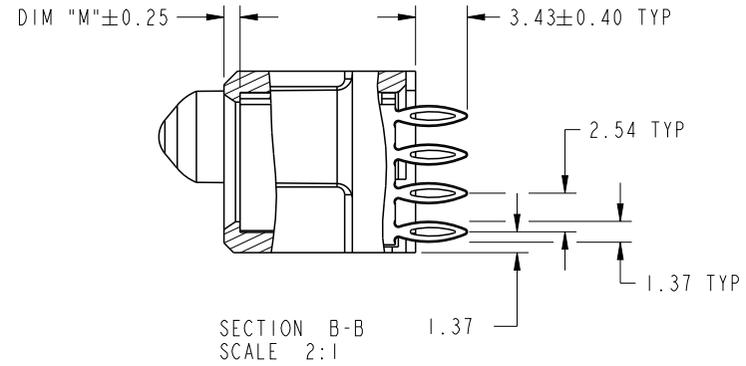
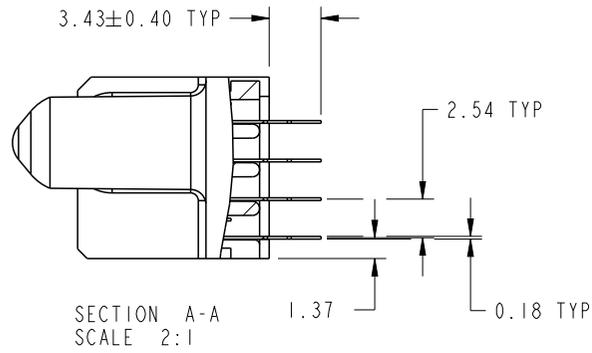


| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PC | [1.07] | POWER |
| PF | [2.34] | POWER |
| F | [N/A] | SIGNAL |
| HA | [N/A] | HOLD-DOWN |

| | | | | | | | | | | | | | | |
|---------------------|--|---------------------------------------|------|-------|--------------|----------------|----------------|----------------|----------|-----------|----------------|-----|-----------------|--|
| spec ref | | SEE NOTES | | dr | Yun-Ping Zhu | 2018/02/03 | projection | MM ←→ | size | A4 | scale | 1:1 | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Yun-Ping Zhu | 2018/02/27 | | | ecn no | - | rel level | | | Released |
| ISO 406 ISO 1101 | | | | chr | Feng Zheng | 2018/02/26 | | | | | product family | | PwrBlade | |
| surface | | linear | 0.X | ±0.5 | apppr | Pei-Ming Zheng | 2018/02/27 | product family | PwrBlade | rel level | Released | rev | | |
| ISO 1302 | | | 0.XX | ±0.25 | | | | | | | | | Amphenol FCi | 3ACP+2P+24S+4DCP VERTICAL PF RECEPT |
| | | angular | 0° | ±2° | dwg no | | 51940-650 | | A | | | | | |

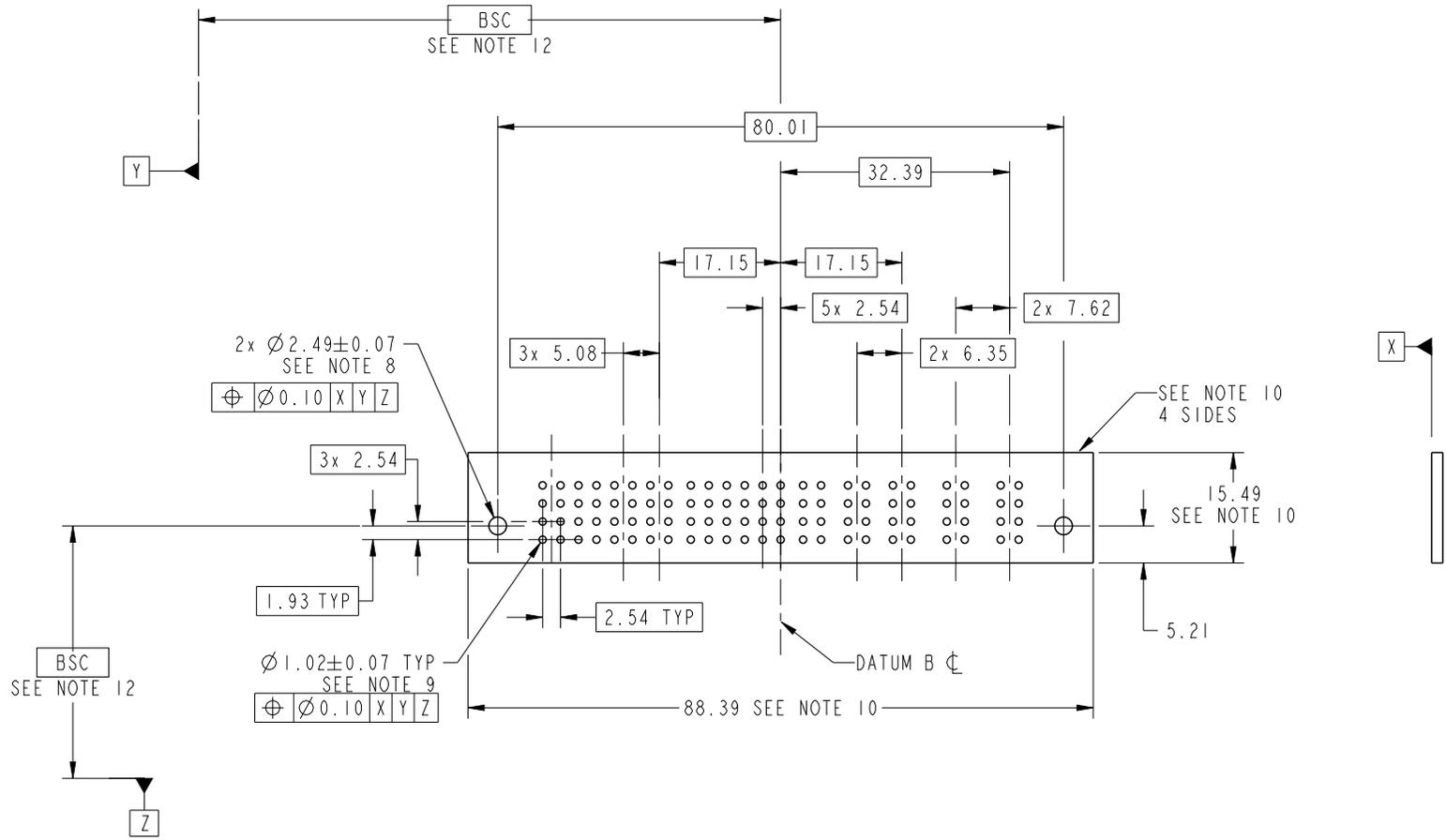
PRODUCT NUMBER

51940-650LF



| | | | | | | | | | | | | |
|---------------------|--|---------------------------------------|-------|------|-----------------|------------|------------------------|----------|--------------|----------|-------|-----|
| spec ref | | SEE NOTES | | dr | Yun-Ping Zhu | 2018/02/03 | projection | MM ←→ | size | A4 | scale | 1:1 |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Yun-Ping Zhu | 2018/02/27 | | | ecn no | - | | |
| ISO 406 ISO 1101 | | | | chr | Feng Zheng | 2018/02/26 | | | rel level | Released | | |
| surface | | linear | 0.X | ±0.5 | Amphenol FCi | title | product family | | PwrBlade | | rev | A |
| ISO 1302 | | | 0.XXX | ±0.1 | | | 3ACP+2P+24S+4DCP | | PwrBlade | | | |
| | | angular | 0° | ±2° | cat. no. | | Product - Customer Drw | | sheet 2 of 4 | | | |

PRODUCT NUMBER
51940-650LF



RECOMMENDED PCB LAYOUT

| | | | | | | | | | | | | |
|---------------------|---------------------------------------|-------|------|-----------------|----------------|------------|------------------------|----------|------------------|----|--------------|----------|
| spec ref | SEE NOTES | | | dr | Yun-Ping Zhu | 2018/02/03 | projection | MM ←→ | size | A4 | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Yun-Ping Zhu | 2018/02/27 | | | ecn no | - | rel level | Released |
| ISO 406 ISO 1101 | | | | chr | Feng Zheng | 2018/02/26 | | | | | | |
| surface | linear | 0.X | ±0.5 | appr | Pei-Ming Zheng | 2018/02/27 | product family | | PwrBlade | | | |
| ISO 1302 | | 0.XXX | ±0.1 | | | | product family | | PwrBlade | | | |
| | angular | 0° | ±2° | | | | product family | | PwrBlade | | | |
| | | | | Amphenol FCi | | | part no | | 3ACP+2P+24S+4DCP | | rev | A |
| | | | | cat. no. | | | Product - Customer Drw | | 51940-650 | | sheet 3 of 4 | |

PRODUCT NUMBER
51940-650LF

- NOTES:
1. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 2. MATERIAL:
HOUSING: HIGH-TEMP THERMOPLASTIC WITH GLASS FILLED, UL 94 V-0, BLACK.
POWER CONTACT: HIGH CONDUCTIVITY COPPER ALLOY.
SIGNAL CONTACT: COPPER ALLOY.
 3. PLATING SPECIFICATION : 10064183.
 4. MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO BE MARKED ON THIS SURFACE. THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
 5. PRODUCT SPECIFICATION : GS-12-149.
APPLICATION SPECIFICATION : BUS-20-067.
PRODUCT PACKAGE SPECIFICATION: BUS-14-437.
 6. PACKAGED IN TRAYS.
 7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
 9. $\varnothing 1.15 \pm 0.025$ MM DRILLED HOLE PLATED WITH 0.00762MM MIN SN OVER 0.0254-0.0762MM CU PLATING TO ACHIEVE A 1.02 \pm 0.07MM HOLE.
 10. DENOTES CONNECTOR KEEP OUT ZONE.
 11. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZE THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.
 12. DATUM AND BASIC DIMENSIONS ARE ESTABLISHED BY CUSTOMER.

| | | | | | | | | | | | | | | |
|---------------------|--|---------------------------------------|-------|---------------|-----------------|--------------------|----------------|------------------------|----------------|----------|-----------|-----|--------------|---|
| spec ref | | SEE NOTES | | dr | Yun-Ping Zhu | 2018/02/03 | projection | MM | size | A4 | scale | 1:1 | | |
| tolerance std | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Yun-Ping Zhu | 2018/02/27 | | | ecn no | - | | | | |
| ISO 406 ISO 1101 | | | | chr | Feng Zheng | 2018/02/26 | | | product family | PwrBlade | | | | |
| surface | | | | appr | Pei-Ming Zheng | 2018/02/27 | rel level | Released | | | | | | |
| ISO 1302 | | linear | 0.X | ± 0.5 | Amphenol FCi | part no | | 3ACP+2P+24S+4DCP | | dwg no | 51940-650 | | rev | A |
| | | | 0.XX | ± 0.25 | | VERTICAL PF RECEPT | | | | | | | | |
| | | | 0.XXX | ± 0.1 | | cat. no. | | Product - Customer Drw | | | | | sheet 4 of 4 | |
| | | angular | 0° | $\pm 2^\circ$ | | | | | | | | | | |

Mouser Electronics

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