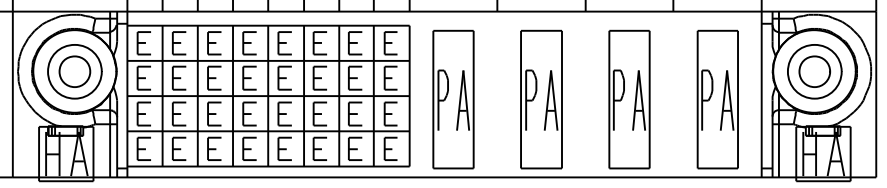
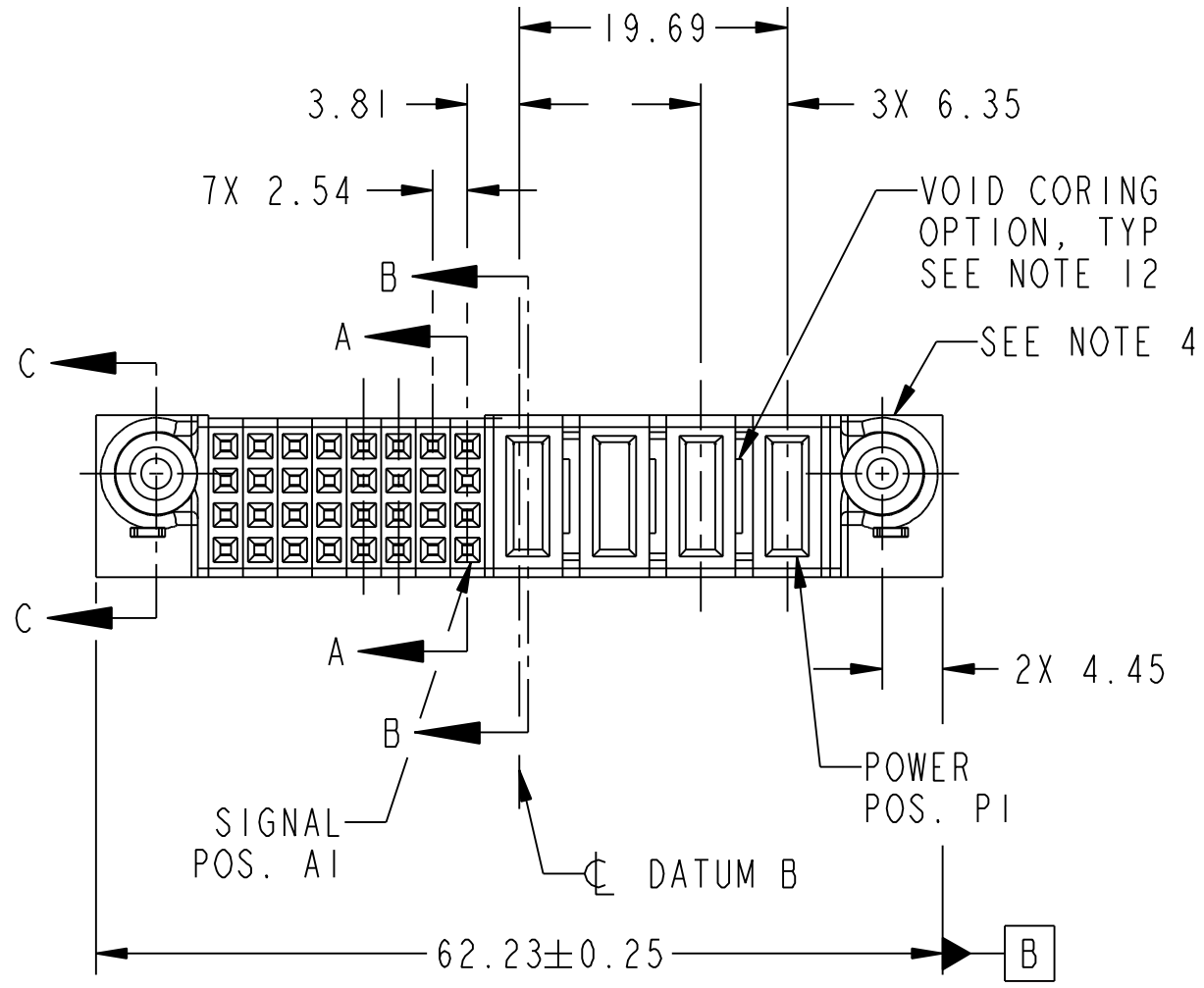
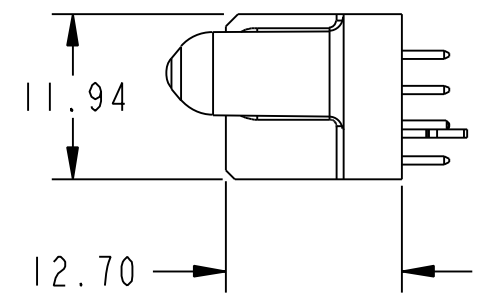
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| PRODUCT NO. | ROWS | E2 | SIGNAL 8 7 6 5 4 3 2 1 | POWER P4 | P3 | P2 | P1 | E1 |
|---|---|---|---|---|---|---|---|---|
| 51742-G0403200AALF NOTE: 3 | D C B A | HA | E E E E E E E E (rows D, C, B, A) | PA | PA | PA | PA | HA |






| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|---|---|---|
| E | [N/A] | SIGNAL |
| PA | [1.07] | POWER |
| HA | [N/A] | HOLD-DOWN |

| mat'l code | SEE NOTES | | |
|---|---|---|---|
| ltr | ecn no. | dr | date |
| A | DG08-0214 | JC | 08/27/08 |

| tolerances unless otherwise specified | |
|---|---|
| linear | 0.X ±0.5 |
| | 0.XX ±0.25 |
| | 0.XXX ±0.10 |
| angles | 0° ±2° |

| | | |
|---|---|---|
| dr | Jerome Chen | 08/27/08 |
| engr | Jerome Chen | 08/27/08 |
| chr | Gary Hsieh | 08/27/08 |
| appd | Joseph Hsia | 08/27/08 |

| sheet | index | A | A | A | A |
|---|---|---|---|---|---|
| revision | sheet | 1 | 2 | 3 | 4 |

CUSTOMER COPY

projection

MM

scale 1:1

FCI www.fciconnect.com

title 4P + 32S VERTICAL SOLDER RECEPT

product family PwrBlade

code 213

size A

dwg no 51742-G0403200AA

sheet 1 of 4

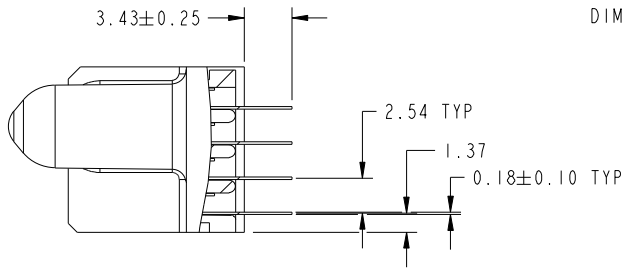
cage code 22526

Pro/E

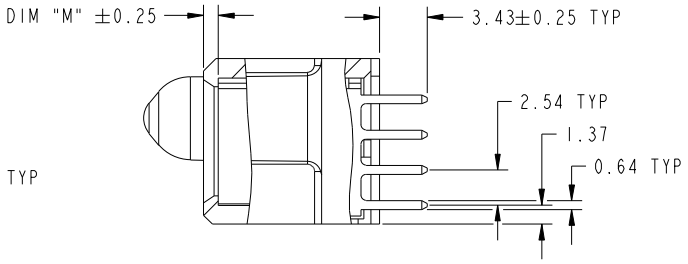
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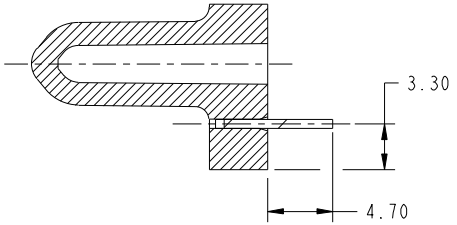
| PRODUCT NUMBER |
| --- |
| 51742-G0403200AALF<br>NOTE: 3 |




SECTION A-A
SCALE 2:1




SECTION B-B
SCALE 2:1




SECTION C-C
SCALE 2:1

| mat'l code | | | | tolerances unless otherwise specified | | CUSTOMER | FCI www.fciconnect.com |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ltr | ecn no. | dr | date | linear | 0.X ±0.5 | COPY | |
| A | | | | | 0.XX ±0.25 | projection | title: 4P + 32S VERTICAL SOLDER RECEPT |
| | | | | | 0.XXX ±0.10 | | |
| | | | | angles | 0° ±2° | | |
| | | | | dr | Jerome Chen 08/27/08 | MM | product family: PwrBlade; code: 213 |
| | | | | engr | Jerome Chen 08/27/08 | | size: A; dwg no: 51742-G0403200AA; sheet: 2 of 4 |
| | | | | chr | Gary Hsieh 08/27/08 | scale | |
| | | | | appd | Joseph Hsia 08/27/08 | 1:1 | |
| sheet index | revision sheet | | | | | | cage code: 22526 |

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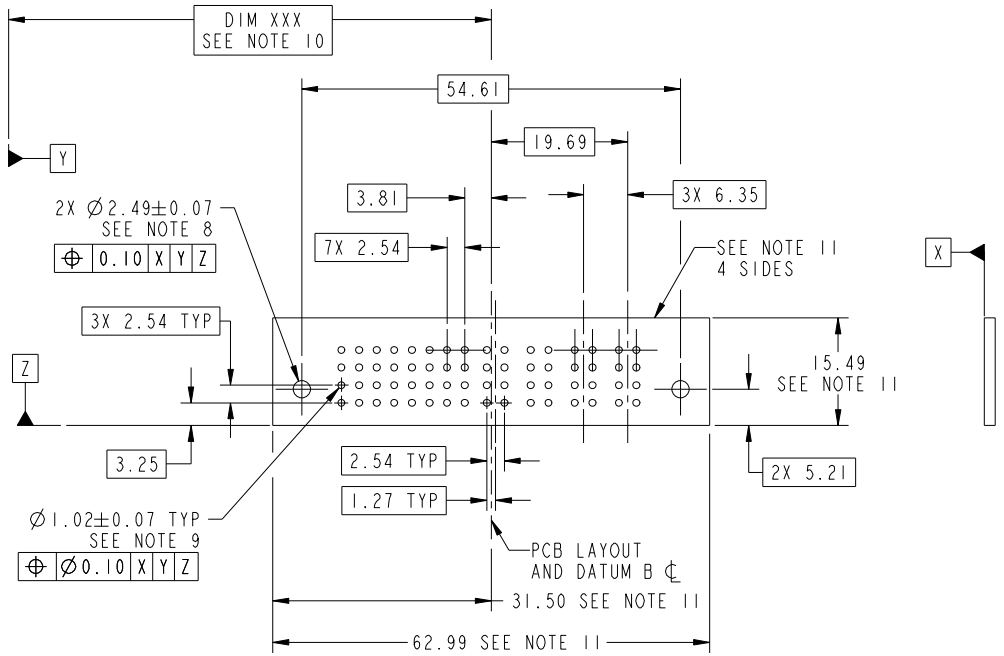
Pro/E

PDM: Rev:A STATUS:Released Printed: Dec 20, 2010

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| PRODUCT NUMBER |
| --- |
| 51742-G0403200AALF<br>NOTE: 3 |




RECOMMENDED PCB LAYOUT

| mat'l code | | | | tolerances unless otherwise specified | | | CUSTOMER | FCI www.fciconnect.com |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ltr | ecn no. | dr | date | linear | 0.X ±0.5 | | COPY | |
| A | | | | | 0.XX ±0.25 | | projection | title: 4P + 32S VERTICAL SOLDER RECEPT |
| | | | | | 0.XXX ±0.10 | | | |
| | | | | angles | 0° ±2° | | | |
| | | | | dr | Jerome Chen | 08/27/08 | MM | product family: PwrBlade; code: 213 |
| | | | | engr | Jerome Chen | 08/27/08 | | size: A; dwg no: 51742-G0403200AA; sheet: 3 of 4 |
| | | | | chr | Gary Hsieh | 08/27/08 | scale | |
| | | | | appd | Joseph Hsia | 08/27/08 | 1:1 | |
| sheet index | revision sheet | | | | | | | cage code: 22526 |

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| PRODUCT NUMBER |
|---|
| 51742-G0403200AALF<br>NOTE: 3 |

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTOR NOTES:

(2) HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING SPEC.:

SIGNAL PIN: 30u"/0.76um Au OVER 50u"/1.27um Ni ON CONTACT AREA AND 78u"/2.00um Sn OVER 50u"/1.27um Ni ON PCB INTERFACE
POWER PIN: 30u"/0.76um GXT OVER 50u"/1.27um Ni ON CONTACT AREA AND 78u"/2.00um Sn OVER 50u"/1.27um Ni ON PCB INTERFACE

PART NUMBER 51742-G0403200AALF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DECCRIBED IN GS-22-008.

THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

(4) MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

(8) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

(9) Ø1.151±0.025 DRILLED HOLES PLATED WITH 0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08 Cu PLATING TO ACHIEVE Ø1.02±0.07 HOLE.

(10) "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

(11) CONNECTOR KEEP-OUT ZONE.

12. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZING THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.

13. THIS P/N IS DEDICATED TO GXT PLATING, CAN'T BE CHANGED TO GOLD PLATING FOREVER.

14. IF THERE IS CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS, THE DRAWING TAKES PRECEDENCE.

| mat'l code | | | | tolerances unless otherwise specified | | | |
|---|---|---|---|---|---|---|---|
| ltr | ecn no. | dr | date | linear | 0.X ±0.5 | | |
| A | | | | | 0.XX ±0.25 | | |
| | | | | | 0.XXX ±0.10 | | |
| | | | | angles | 0° ±2° | | |
| | | | | dr | Jerome Chen | 08/27/08 | |
| | | | | engr | Jerome Chen | 08/27/08 | |
| | | | | chr | Gary Hsieh | 08/27/08 | |
| | | | | appd | Joseph Hsia | 08/27/08 | |
| sheet | revision | | | | | | |
| index | sheet | | | | | | |

| CUSTOMER | FCI www.fciconnect.com | |
|---|---|---|
| COPY | title | 4P + 32S VERTICAL SOLDER RECEPT |
| projection | product family | PwrBlade |
| MM | size | A |
| scale 1:1 | dwg no | 51742-G0403200AA |
| | code | 213 |
| | sheet | 4 of 4 |
| Pro/E | cage code | 22526 |

PDM: Rev:A STATUS:Released Printed: Dec 20, 2010