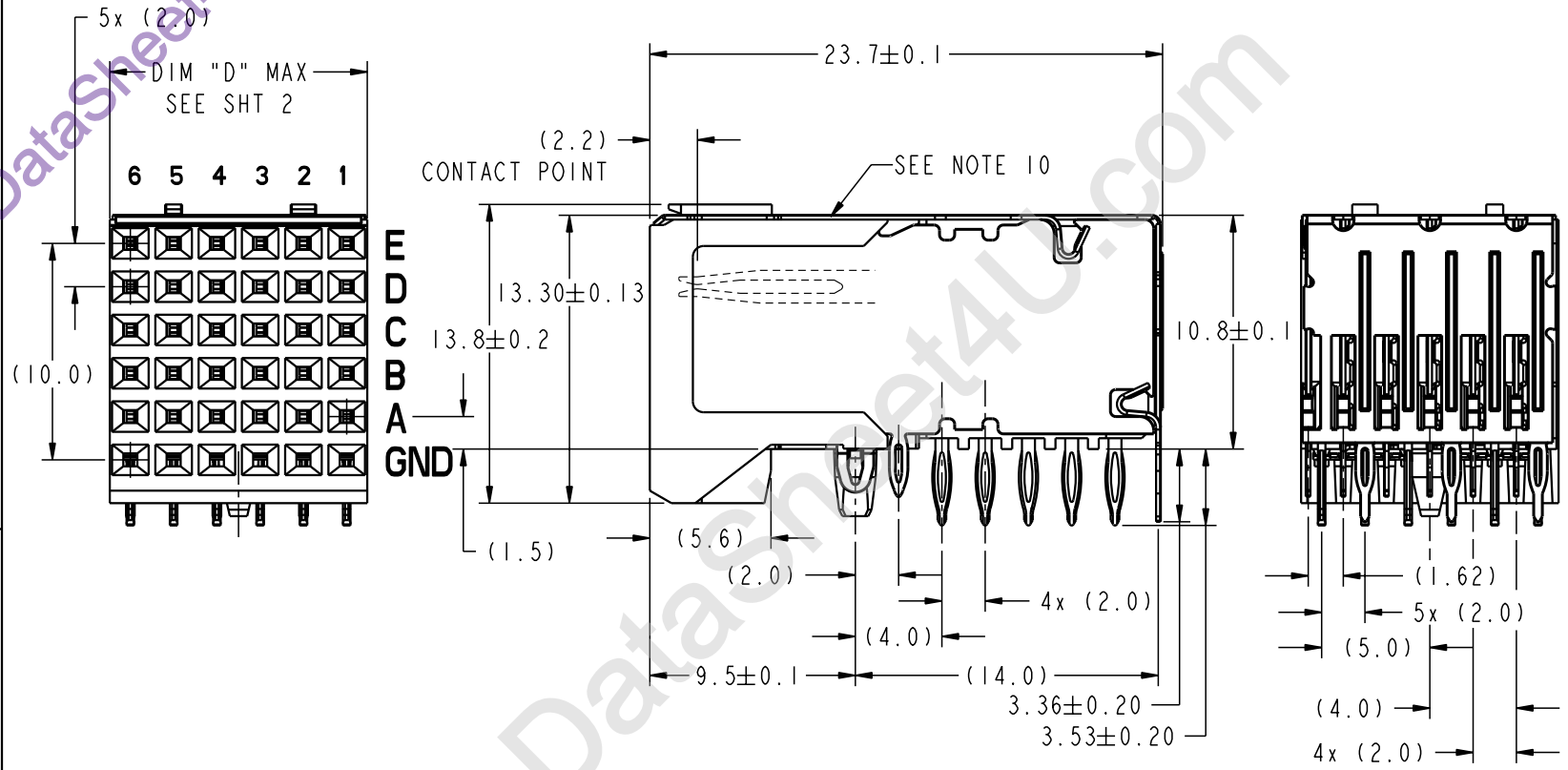
| PRODUCT NUMBER |
|---|
| 84688-XYY |




CONFIDENTIAL

| mat'l code | SEE NOTES | | | tolerances unless otherwise specified | | | CUSTOMER |
|---|---|---|---|---|---|---|---|
| ltr | ecn no. | dr | date | | | | COPY |
| A | V90180 | L-IV | 05-21-01 | linear | 0.X ±0.3 | | |
| B | V94066 | SAK | 10-20-99 | | 0.XX ±0.10 | | projection |
| C | V01869 | SAK | 08-18-00 | angles | 0.XXX ±0.050 | | |
| D | V11732 | SAK | 06-22-01 | dr | 0° ±2° | | MM |
| E | V11836 | SAK | 11-07-01 | engr | S. KLINE | 07-06-01 | |
| F | V20353 | TAB | 02-15-02 | chr | W.J. SWAIN | 07-06-01 | scale 3:1 |
| | | | | appd | W.J. SWAIN | 07-06-01 | |
| sheet index | revision | F | F | F | | | |
| | sheet | 1 | 2 | 3 | | | |

FCI ELECTRONICS www.fciconnect.com

title: 5 ROW RECEPTACLE MONOBLOCK SIGNAL ASSEMBLY

product family: METRAL 1000 | code: 213

size: A | dwg no: 84688 | sheet: 1 of 3

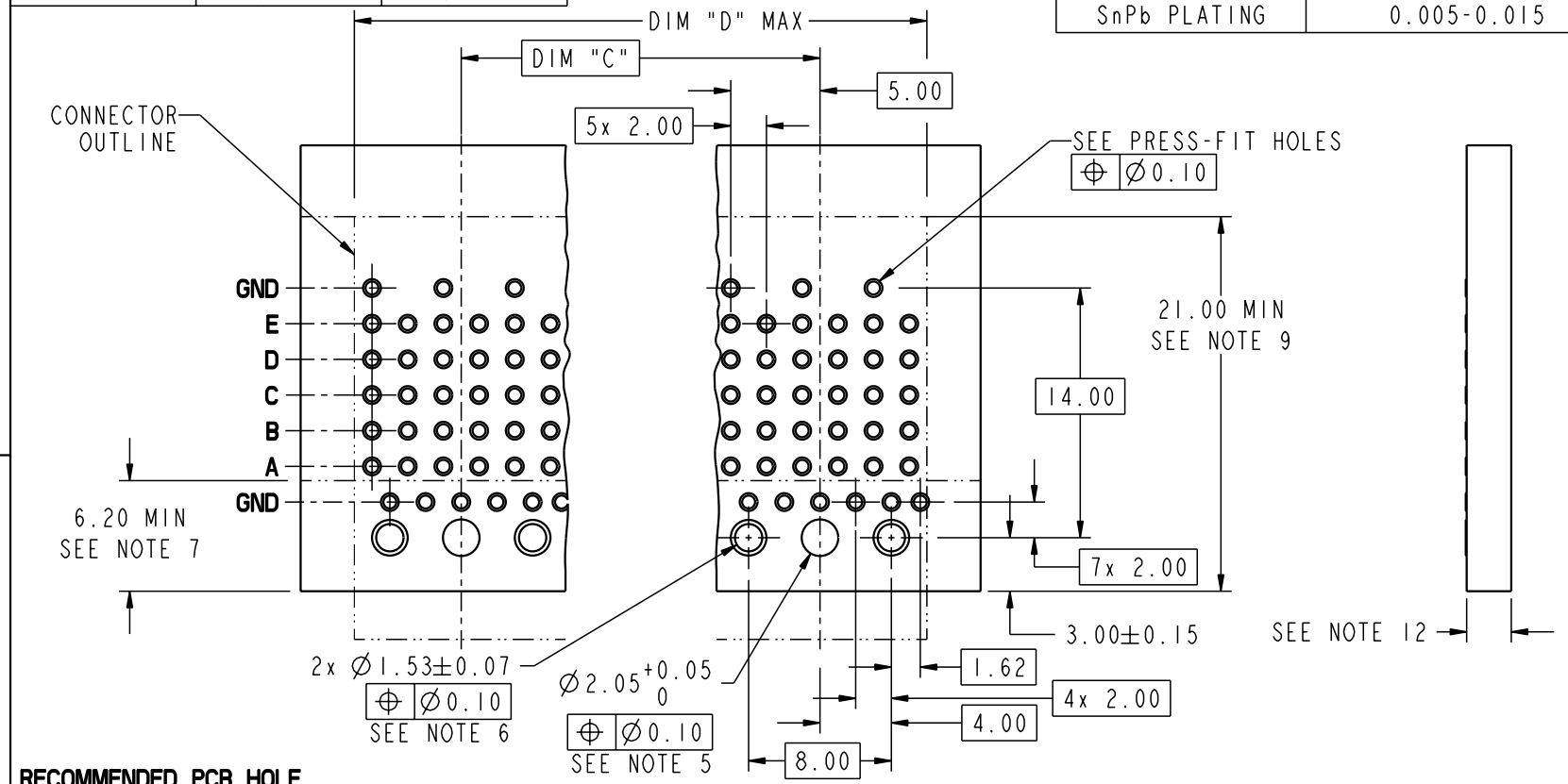
cage code: 22526

Pro/E

PDM: Rev:F STATUS:Released Printed: Jun 19, 2002

| PRODUCT NUMBER | CONTACT PLATING | SHIELD PLATING |
|---|---|---|
| 84688-1YY | 0.8 µm Au | 0.8 µm Au |
| 84688-3YY | 1.3 µm Au | 1.3 µm Au |
| 84688-9YY | 0.8 µm GXT | 0.8 µm Au |
| 84688-9YYS | 0.8 µm GXT | 1.3 µm GXT |

| PRESS-FIT HOLES | OPTION 1 |
|---|---|
| HOLE DIAMETER AFTER PLATING | Ø0.65-Ø0.80 |
| DRILLED HOLE | Ø0.81-Ø0.86 (Ø0.85 DRILL) |
| COPPER PLATING | 0.025 MIN |
| SnPb PLATING | 0.005-0.015 |




**RECOMMENDED PCB HOLE PATTERN-COMPONENT SIDE**

| PRODUCT NO. | DIM "C" | DIM "D" | TOOLING STATUS |
|---|---|---|---|
| -X01 | --- | 11.98 | AVAILABLE |
| -X02 | 12.00 | 23.98 | AVAILABLE |
| -X03 | 24.00 | 35.98 | AVAILABLE |
| -X04 | 36.00 | 47.98 | AVAILABLE |
| -X05 | 48.00 | 59.98 | PRELIMINARY |
| -X06 | 60.00 | 71.98 | PRELIMINARY |

**CONFIDENTIAL**

mat'l code: SEE NOTES

| ltr | ecn no. | dr | date |
|---|---|---|---|
| F | --- | --- | --- |

tolerances unless otherwise specified

| | |
|---|---|
| linear | 0.X ±0.3 |
| | 0.XX ±0.10 |
| | 0.XXX ±0.050 |
| angles | 0° ±2° |

| | | |
|---|---|---|
| dr | S. KLINE | 07-06-01 |
| engr | W.J. SWAIN | 07-06-01 |
| chr | W.J. SWAIN | 07-06-01 |
| appd | W.J. SWAIN | 07-06-01 |

CUSTOMER COPY

projection

MM

scale 1:1

FCI ELECTRONICS www.fciconnect.com

title: 5 ROW RECEPTACLE MONOBLOCK SIGNAL ASSEMBLY

product family: METRAL 1000 | code: 213

size: A | dwg no: 84688 | sheet: 2

sheet index | revision sheet

Pro/E

cage code: 22526

PDM: Rev:F STATUS:Released Printed: Jun 19, 2002

| PRODUCT NUMBER |
|---|
| 84688-XYY |

NOTES

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

2. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED
   FLAME RETARDANT ACC. UL94V-0

3. GROUND SHIELD MATERIAL: PHOSPHOR BRONZE
   SIGNAL CONTACT MATERIAL: COPPER ALLOY

4. PLATING ON PRESS-FIT TAIL AREA: SnPb

5. Ø2.05 HOLE IS UNPLATED

6. Ø1.53 PLATED HOLES (2x) ARE FOR GROUNDS

7. AVOID TRACES IN THIS AREA ON TOP OF PCB DUE TO EXPOSED GROUND SHIELD

8. UNDERPLATING FOR SHIELD AND SIGNAL CONTACTS IS 1.3 µm Ni MIN

9. COMPONENT KEEP OUT ZONE FOR PRESS BLOCK CLEARANCE

10. PRODUCT MARKING: DATE AND LOT CODE

11. SEE GS-20-017 FOR APPLICATION OF CONNECTOR TO PCB

12. PCB THICKNESS RANGE: 1.3mm TO 2.5mm

13. SEE PRODUCT SPECIFICATION GS-12-110 FOR PRODUCT PERFORMANCE CHARACTERISTICS.

**CONFIDENTIAL**

| mat'l code | SEE NOTES | | | tolerances unless otherwise specified | | | CUSTOMER | FCI ELECTRONICS |
|---|---|---|---|---|---|---|---|---|
| ltr | ecn no. | dr | date | | | | COPY | www.fciconnect.com |
| F | --- | --- | --- | linear | 0.X ±0.3 | | projection | title: 5 ROW RECEPTACLE MONOBLOCK SIGNAL ASSEMBLY |
| | | | | | 0.XX ±0.10 | | | |
| | | | | | 0.XXX ±0.050 | | | |
| | | | | angles | 0° ±2° | | | |
| | | | | dr | S. KLINE | 07-06-01 | MM | product family: METRAL 1000 |
| | | | | engr | W.J. SWAIN | 07-06-01 | | size: A |
| | | | | chr | W.J. SWAIN | 07-06-01 | scale: 1:1 | dwg no: 84688 |
| | | | | appd | W.J. SWAIN | 07-06-01 | | code: 213 |
| sheet index | revision sheet | | | | | | | sheet: 3 |

Pro/E

cage code 22526

PDM: Rev:F STATUS:Released Printed: Jun 19, 2002