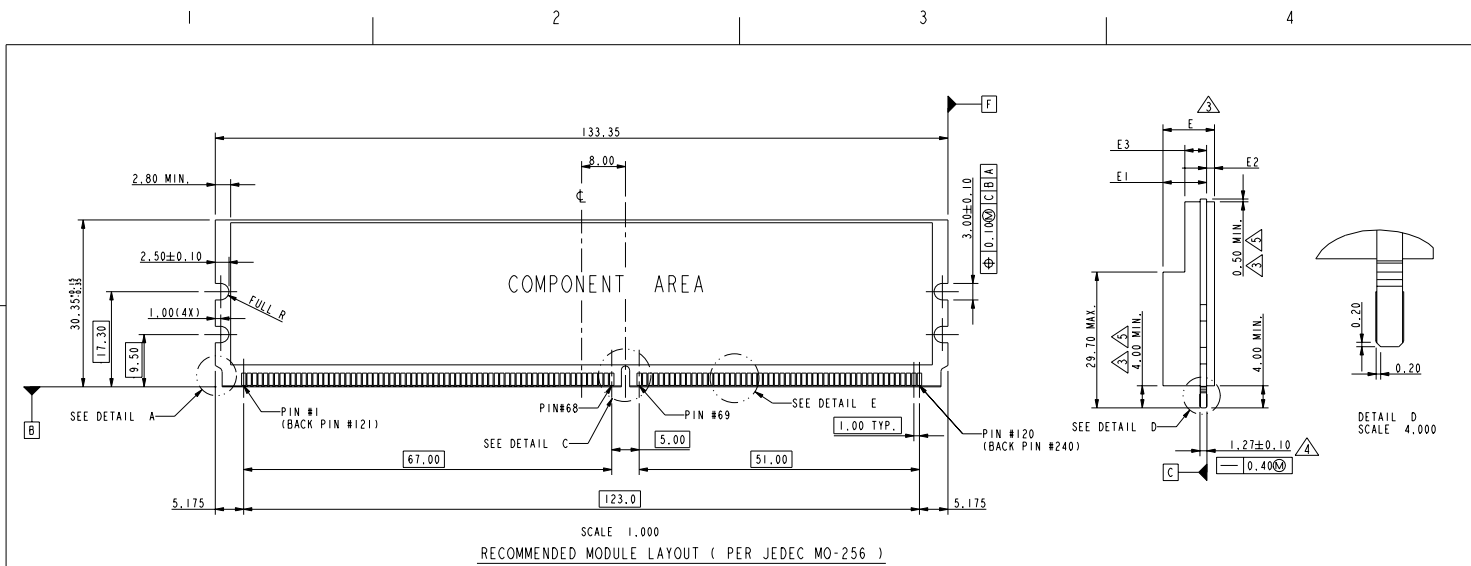
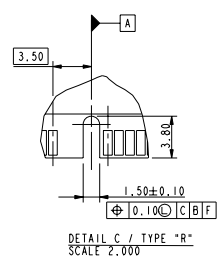
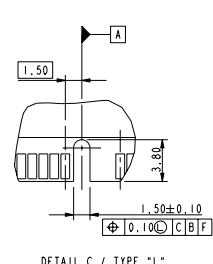
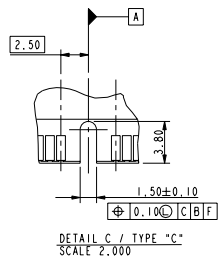
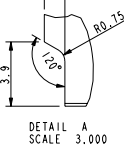
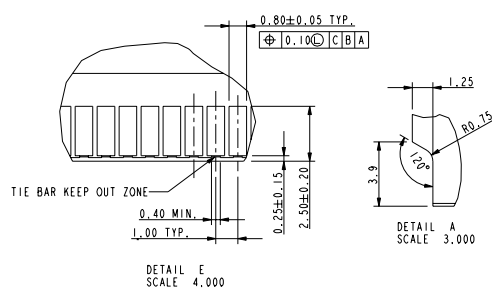


| Tolerances unless otherwise specified | | |
|---------------------------------------|------|-------|
| linear | .X | ±0.38 |
| | .XX | ±0.25 |
| | .XXX | ±0.13 |
| angles | X° | ±2° |

| Mark with 10037402 REV. P in area indicated by X..... | Material | Spec ref | | tolerance ✓ | projection | size A4 | Scale 0.500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----------------------------|-----------|--------------------|------------------|--------------|-----------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---------|----------|----------------|-----------|--|--|
| | Mat code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Heat treat | Dr | CHARLIE S | 05/30/06 | Product family | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Plating/Finish | Eng | CHARLIE S | 05/30/06 | Model Name | 10037402 | ECN | DG06-0209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>rev</th> <th>ecn no</th> <th>dr</th> <th>date</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>0004-0209</td> <td>C.S</td> <td>05/30/06</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | rev | ecn no | dr | date | P | 0004-0209 | C.S | 05/30/06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Chr | BEER FU | 05/30/06 | Model Revision | REL Level | | |
| rev | ecn no | dr | date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | 0004-0209 | C.S | 05/30/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Appr | JOESPH HSIA | 05/30/06 | Model Revision | REL Level | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | title DDR11 240P, FBDIMM | | dwg no 10037402 | Rev. P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prof/E file catalog | PDM: Rev:P | | STATUS: Released | CUSTOMER DRAWING | sheet 1 of 4 | Printed: Jul 28, 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



SCALE 1.000
RECOMMENDED MODULE LAYOUT (PER JEDEC MO-256)



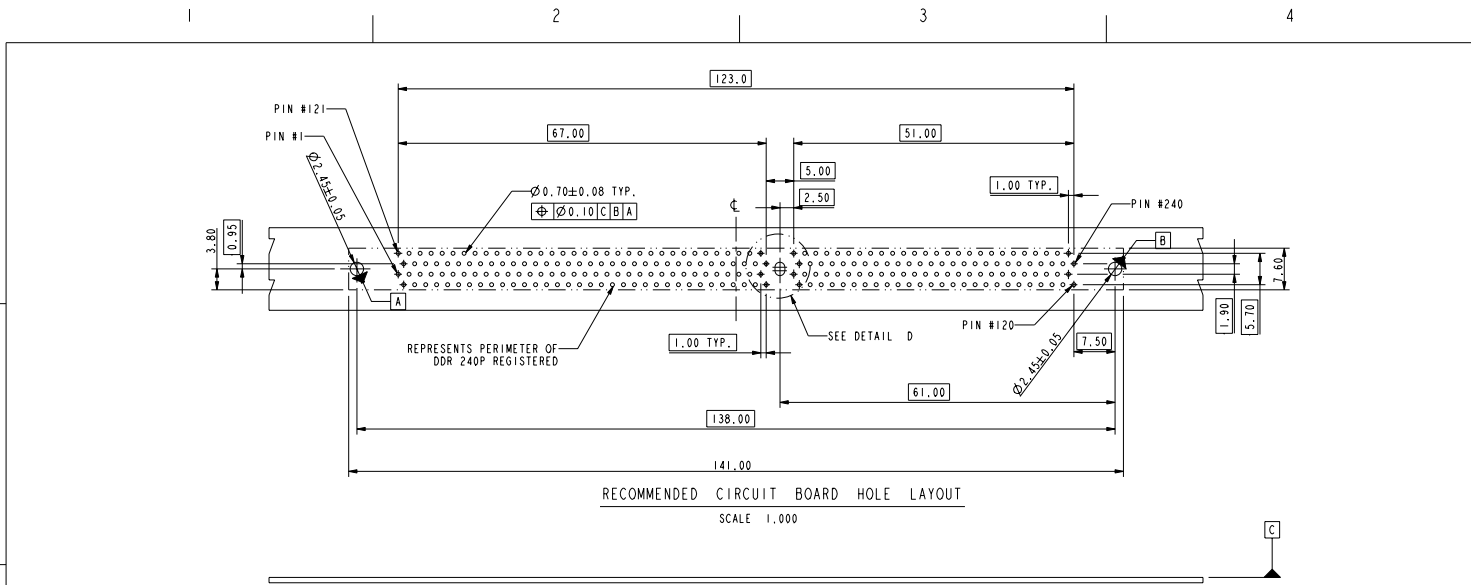
| tolerances unless otherwise specified | | |
|---------------------------------------|------|-------|
| linear | .X | ±0.38 |
| | .XX | ±0.15 |
| | .XXX | ±0.13 |
| angles | X° | ±2° |

| TYPE | R | X, X VOLTAGE | 6.80 | 1.40 | 2.80 | 8.20 | 6.80 | 3.00 | 4.40 | 9.80 |
|-----------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|------|
| TYPE L | | 2.5 VOLTAGE | 6.80 | 1.40 | 2.80 | 8.20 | 6.80 | 3.00 | 4.40 | 9.80 |
| TYPE C | | 1.8 VOLTAGE | 6.80 | 1.40 | 2.80 | 8.20 | 6.80 | 3.00 | 4.40 | 9.80 |
| SUB KEY POS. #1 | DESCRIPTION | DIM. E1 MAX. | DIM. E2 MAX. | DIM. E3 MAX. | DIM. E MAX. | DIM. E1 MAX. | DIM. E2 MAX. | DIM. E3 MAX. | DIM. E MAX. | |
| | | TYPE 1 | | | | TYPE 2 | | | | |

| | | | | | |
|--|--|--------------------------|--|-------------------------------|--|
| Mark with 10037402 REV. P in area indicated by X.... | | Material | | Spec ref | |
| Dr CHARLIE S 05/30/06 | | Mat code | | tolerance | |
| Eng CHARLIE S 05/30/06 | | Heat treat | | projection | |
| Chr BEER FU 05/30/06 | | Plating/Finish | | size A4 Scale 0.500 | |
| Appr JOESPH HSIA 05/30/06 | | Product family | | ECN DG06-0209 | |
| | | Model Name 10037402 | | REL Level | |
| | | Model Revision | | | |
| FCI | | title DDR11 240P, FBD1MM | | dwg no 10037402 | |
| Prof/E file catalog | | PDM: Rev:P | | Rev. P | |
| | | STATUS Released | | CUSTOMER DRAWING sheet 2 of 4 | |
| | | | | Printed: Jul 26, 2010 | |



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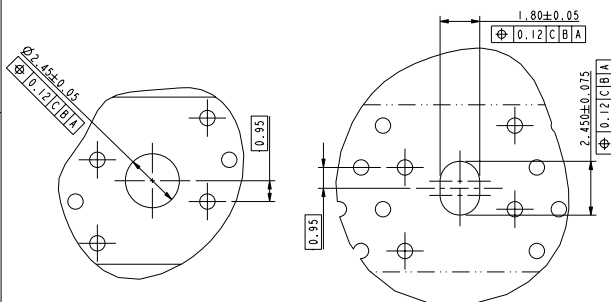


RECOMMENDED CIRCUIT BOARD HOLE LAYOUT
SCALE 1,000

DETAIL D
SCALE 4,000

OPTION 1
CENTER ROUND HOLE

OPTION 2
CENTER SLOT



| Tolerances unless otherwise specified | | |
|---------------------------------------|------|-------|
| linear | .X | ±0.38 |
| | .XX | ±0.25 |
| | .XXX | ±0.13 |
| angles | X° | ±2° |

| | | | | |
|---|----------------|-----------------|---------------|-------------|
| Mark with 10037402 REV. P in area indicated by X..... | Material | | Spec ref | |
| | Mat code | | tolerance | projection |
| | Heat treat | | ✓ | MM |
| | Plating/Finish | | size A4 | Scale 0.500 |
| Dr CHARLIE S | 05/30/06 | Product family | ECN DG06-0209 | |
| Eng CHARLIE S | 05/30/06 | Model Name | 10037402 | |
| Chr BEER FU | 05/30/06 | Model Revision | REL Level | |
| Appr JOESPH HSIA | 05/30/06 | | | |
| Title DDR11 240P, FBD1MM | | Dwg no 10037402 | | |
| Prof/E file catalog | | Rev. P | | |

PDM- Rev:P

STATUS Released

CUSTOMER DRAWING

sheet 3 of 4
Printed: Jul 28, 2010



10037402-□ □ □ □ □

STYLE : MECHANICAL KEYING

- 1 : 1.8 VOLT. W/TYPE "C"
- 2 : 2.5 VOLT. W/TYPE "L"
- 3 : X.X VOLT. W/TYPE "R"

METAL CLIP
(WITH NI 1.27 um MIN. PLATING)

- 1 : WITH METAL CLIP + DIM. "D"=3.05
- 2 : WITH METAL CLIP + DIM. "D"=3.56
- 3 : WITH METAL CLIP + DIM. "D"=3.43

TAIL LENGTH

| CODE | DIM. "B" | PCB THICKNESS |
|------|----------|------------------|
| 0 | 2.54 | 1.47 mm (0.058") |
| 1 | 2.67 | 1.60 mm (0.063") |
| 2 | 3.18 | 2.36 mm (0.093") |
| 3 | 4.00 | 3.18 mm (0.125") |

PLATING

| CODE | CONTACT | SOLDERTAIL | UNDERPLATE |
|------|----------------------------|--------------------------------|--|
| 2 | 15 u"(0.38um) MIN. GOLD | | |
| 3 | 30u"(0.76um) MIN. GOLD | 100u"(2.54um) MIN. TIN/LEAD | 50u"(1.27um) MIN. NICKEL OVERALL |
| 4 | 3u"(0.076um) MIN. GOLD | | |
| 7LF | 15u"(0.38um) MIN. GOLD | | |
| 8LF | 30u"(0.76um) MIN. GOLD | 100u"(2.54um) MIN. 100% TIN | 50u"(1.27um) MIN. NICKEL OVERALL |
| 9LF | 3u"(0.076um) MIN. GOLD | | |
| 2N | 15 u"(0.38um) MIN. GOLD | | |
| 3N | 30 u"(0.76um) MIN. GOLD | 100u"(2.54um) MIN. TIN/LEAD | 90u"(2.29um) MIN. NICKEL OVERALL |
| 4N | 3 u"(0.076um) MIN. GOLD | | |
| 7NLF | 15 u"(0.38um) MIN. GOLD | | |
| 8NLF | 30 u"(0.76um) MIN. GOLD | 100u"(2.54um) MIN. 100% TIN | 90u"(2.29um) MIN. NICKEL OVERALL |
| 9NLF | 3 u"(0.076um) MIN. GOLD | | |

COLOR OF HOUSING AND EJECTOR

- 0 : BLACK HOUSING + IVORY EJECTOR
- 1 : BLUE HOUSING + IVORY EJECTOR
- 2 : BLACK HOUSING + BLACK EJECTOR
- 3 : IVORY HOUSING + IVORY EJECTOR

NOTE:

1. MATERIAL :
HOUSING: HIGH PERFORMANCE RESINS, GLASS FILLED UL94V-0 RATED.
EJECTOR: HIGH PERFORMANCE RESINS, GLASS FILLED UL 94V-0 RATED.
TERMINAL : COPPER ALLOY.
METAL CLIP: COPPER ALLOY.
PRODUCT SPECIFICATION: GS-12-300.
2. DIMENSIONS APPLICABLE WHEN COMPONENTS MOUNTED ON ONE OR BOTH SIDES.
CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING AND/OR MEALIZATION STRAIGHTNESS CALLOUT APPLIES TO ZONE DEFINED BY THE 4.00 CONTACT AREA DIMENSION FOR THE ENTIRE LENGTH OF 133.35.
3. BOARD OF COMPONENT AREA.
4. LATCH DESIGN INCLUDES COMPLEMENTARY FEATURE TO ACCOMMODATE MODULE END NOTCHES AS DEFINED IN DETAIL A OF P.2 AND AS SPECIFIED IN MO-256.
5. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
6. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMP. FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.
7. 10037402-XXXXXX1X1LF SERIES ARE FOR LEAD-FREE OPTIONS.
8. DATE CODE: XXXXX** SHOWS DAY/MONTH/YEAR. ** MEANS PRODUCTION LINE CODE.
EX:122505 MEANS 12/25/2005.WILL BE PRINTED ON SOCKET.

| TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
|---------------------------------------|-------|--------|
| LINEAR | 0.X | ±0.3 |
| | 0.XX | ±0.15 |
| | 0.XXX | ±0.100 |
| ANGULAR | 0° | ±2° |

| | | | | |
|---|----------------|----------|------------------------------------|------------------|
| Mark with 10037402 REV. P in area indicated by X..... | Material | | Spec ref | |
| | Mat code | | tolerance | projection |
| | Heat treat | | size | Scale |
| | Plating/Finish | | MM | |
| Dr | CHARLIE S | 05/30/06 | Product family | |
| Eng | CHARLIE S | 05/30/06 | Model Name 10037402 | |
| Chr | BEER FU | 05/30/06 | ECN DG06-0209 | |
| Appr | JOESPH HSIA | 05/30/06 | Model Revision | |
| | | | title DDR11 240P. FBD1MM | Rev. P |
| Prof/E file catalog | | | PDM: Rev:P | STATUS Released |
| | | | drawing no 10037402 | sheet 4 of 4 |