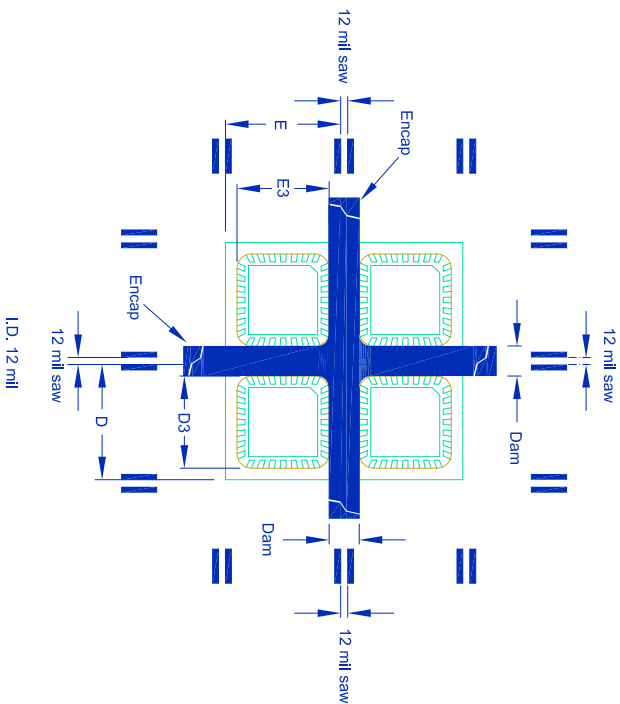
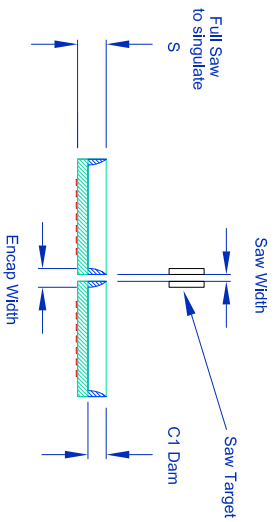


Top View

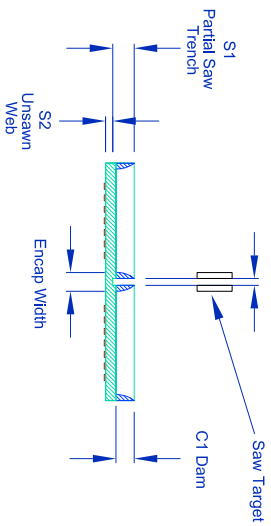


| | |
|------|-----|
| D | E3 |
| 3mm | 2mm |
| 4mm | 3mm |
| 5mm | 4mm |
| 6mm | 5mm |
| 7mm | 6mm |
| 8mm | 7mm |
| 9mm | 8mm |
| 10mm | 9mm |

Side View Full Singulation



Side View Partial Saw



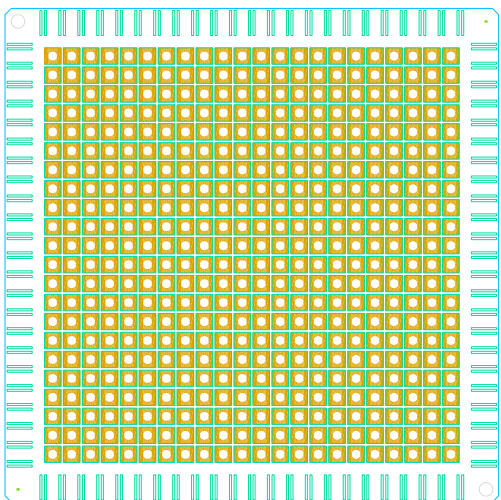
| Cavity | Encap Width Before Saw | C1 Dam Height | S Full Singulation | S2 Unsawn Web | S1 Partial Saw Trench |
|-----------|------------------------|-----------------------|--------------------|--------------------|-----------------------|
| Standard | 48mil (1.2mm) | 25mil (0.635mm) | Full Singulation | 4mil (0.1mm) | 21mil (0.53mm) |
| Thin | 48mil (1.2mm) | 18mil (0.46mm) | Full Singulation | 4mil (0.1mm) | 14mil (0.36mm) |
| Medium | 48mil (1.2mm) | 31mil (0.8mm) | Full Singulation | 4mil (0.1mm) | 27mil (0.68mm) |
| Thick | 70mm (1.8mm) | 46mil (1.17mm) | Full Singulation | 4mil (0.1mm) | 42mil (1.07mm) |
| Tolerance | +/- 2mil (+/-0.05 mm) | +/- 2mil (+/-0.05 mm) | 0 | > 1mil (> 0.025mm) | < 1mil (< 0.025mm) |

Controlling Dimensions in mils

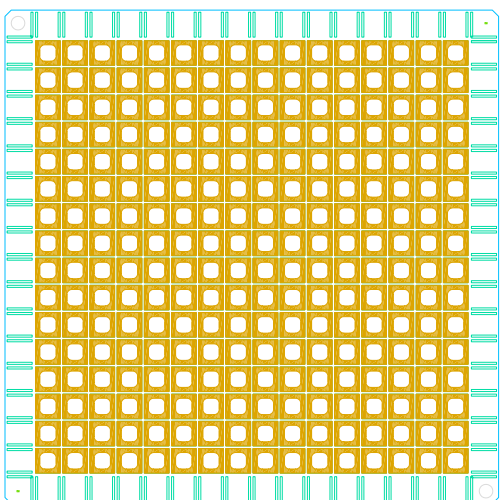
TOLERANCES UNLESS NOTED:
 X.XX ±
 X.XXX ±
 X.XXXX ±
 ANGLES ±
 ALL DIMENSIONS ARE IN:
 INCHES MILLIMETERS

| | | | | | |
|-----------|----------|------------------------------|-------|-------------|-----|
| APPROVALS | DATE | TITLE | | | |
| DRWN TA | 11/02/08 | 60x60MM QFN ARRAY | | | |
| ENG | | Dam Encapsulation and Sawing | | | |
| MFG | | Mirror Semiconductor™ | | | |
| QA | | SCALE | SIZE | DRAWING NO. | REV |
| | | NONE | A | 400080 | A |
| REVISED | | DO NOT SCALE DRAWING | SHEET | 1 OF 3 | |

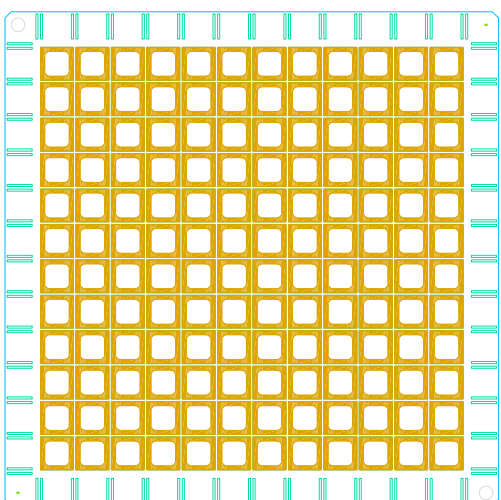
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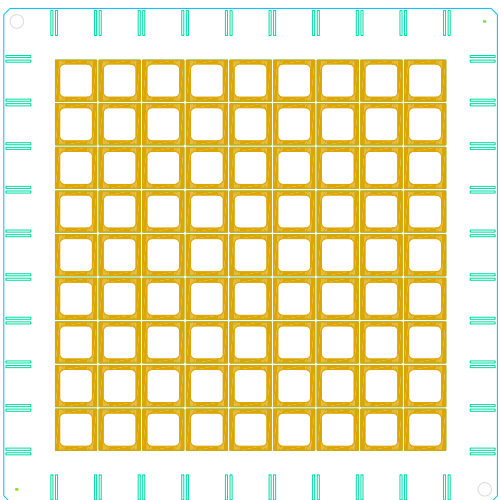
QFN D/E = 2mm
SEE DRAWING 400062



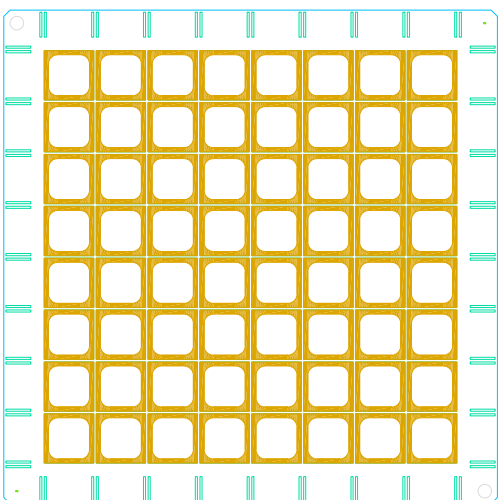
QFN D/E = 3mm
SEE DRAWING 400063



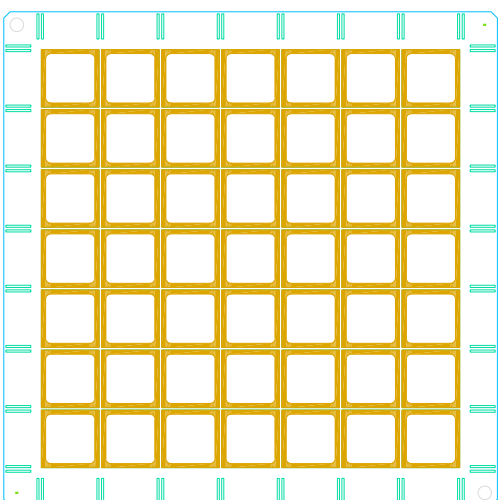
QFN D/E = 4mm
SEE DRAWING 400064



QFN D/E = 5mm
SEE DRAWING 400065



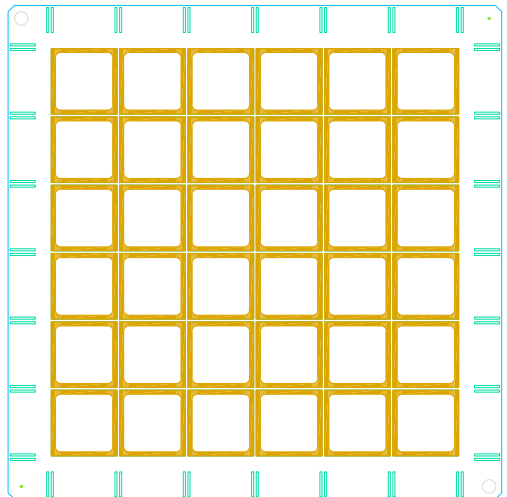
QFN D/E = 6mm
SEE DRAWING 400066



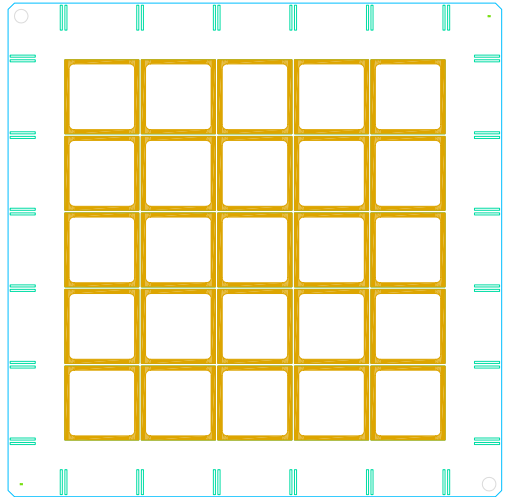
QFN D/E = 7mm
SEE DRAWING 400067

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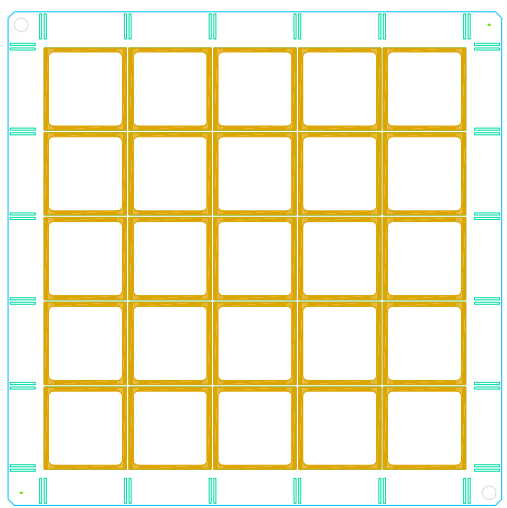
| | | | | | | | | | |
|---|---|-----------|--|----------|--|------------------------------|--|-------------|--|
| TOLERANCES UNLESS NOTED: | | APPROVALS | | DATE | | TITLE | | | |
| X.XX | ± | DRAWN TA | | 11/02/08 | | 60X60MM QFN ARRAY | | | |
| X.XXX | ± | ENG | | | | Dam Encapsulation and Sawing | | | |
| X.XXXX | ± | MFG | | | | Mirror Semiconductor™ | | | |
| ANGLES ± | | MFG | | | | SCALE | | | |
| ALL DIMENSIONS ARE IN: | | MFG | | | | NONE | | SIZE | |
| <input type="checkbox"/> INCHES | | MFG | | | | A | | DRAWING NO. | |
| <input checked="" type="checkbox"/> MILLIMETERS | | MFG | | | | 400080 | | REV | |
| THIRD ANGLE PROJECTION: | | MFG | | | | DO NOT SCALE DRAWING | | SHEET | |
| | | MFG | | | | | | 2 OF 3 | |



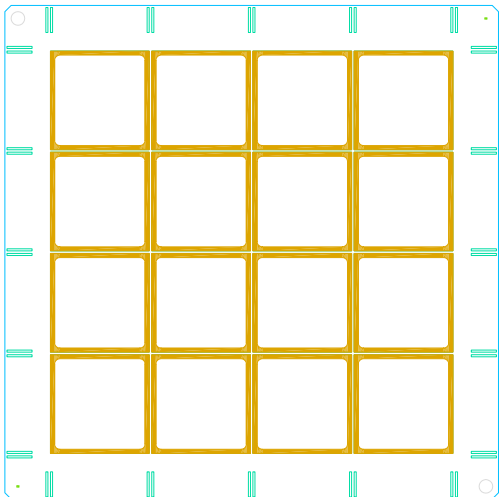
QFN D/E = 8mm
SEE DRAWING 400068



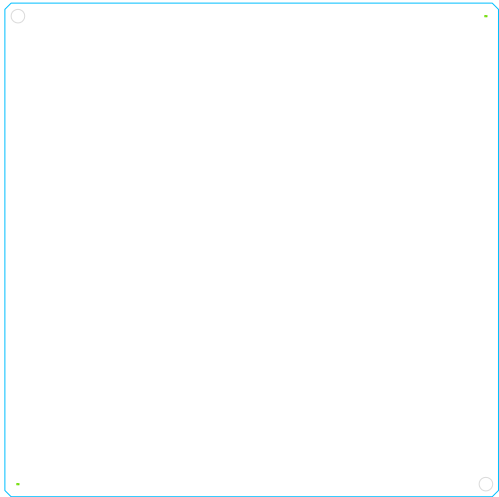
QFN D/E = 9mm
SEE DRAWING 400069





QFN D/E = 10mm
SEE DRAWING 400070



QFN D/E = 12mm
SEE DRAWING 400072



OUTLINE 60X60mm

| | | | | | | | | | | | | | | |
|--|---|---|----|----------|-------------------|--|--|-------|--|--------|------|-------------|-----|--|
| TOLERANCES UNLESS NOTED: | | APPROVALS | | DATE | |  Mirror Semiconductor™ Dam Encapsulation and Sawing | | | | | | | | |
| X.XX | ± | DRWN | TA | 11/02/08 | TITLE | | | | | SCALE | SIZE | DRAWING NO. | REV | |
| X.XXX | ± | ENG | | | 60X60MM QFN ARRAY | | | | | NONE | A | 400080 | A | |
| X.XXXX | ± | MFG | | | 60X60MM QFN ARRAY | | | | | | | | | |
| ALL DIMENSIONS ARE IN: | | MFG | | REVISED | | DO NOT SCALE DRAWING | | SHEET | | 3 OF 3 | | | | |
| <input type="checkbox"/> INCHES | | <input checked="" type="checkbox"/> MILLIMETERS | | | | | | | | | | | | |
| THIRD ANGLE PROJECTION: | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |

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