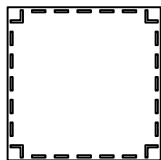
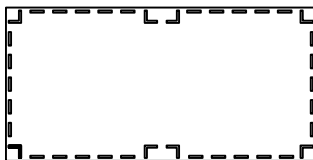


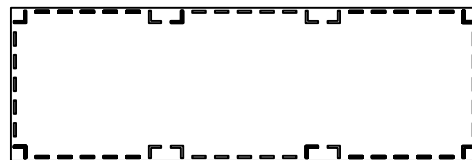
PERIMETER PAD TEST DIE  
DAISY CHAIN



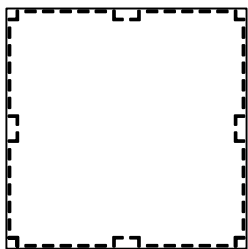
4x4mm 24-PAD  
48 BOND WIRES



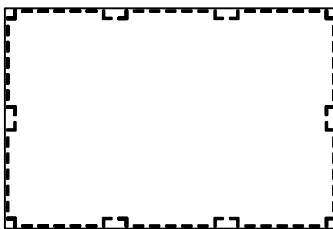
4x8mm 46-PAD  
92 BOND WIRES



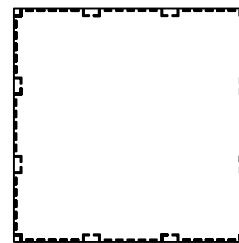
4x12mm 52-PAD  
104 BOND WIRES



8x8mm 64-PAD  
128 BOND WIRES



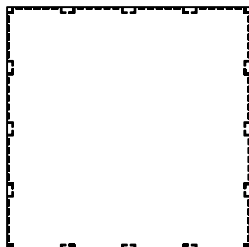
8x12mm 82-PAD  
164 BOND WIRES



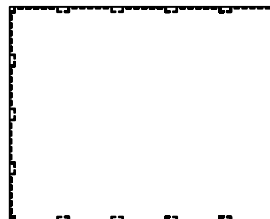
12x12mm 100-PAD  
200 BOND WIRES



12x16mm 118-PAD  
236 BOND WIRES



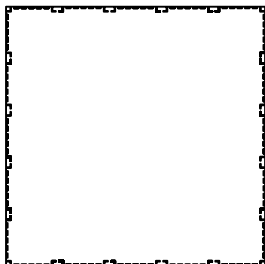
16x16mm 136-PAD  
272 BOND WIRES



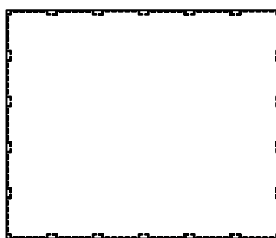
16x20mm 154-PAD  
308 BOND WIRES



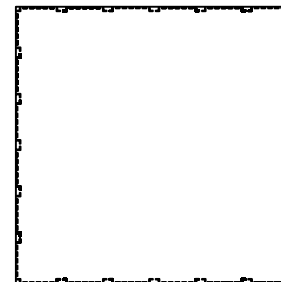
16x24mm 170-PAD  
340 BOND WIRES



20x20mm 172-PAD  
344 BOND WIRES



20x24mm 190-PAD  
380 BOND WIRES



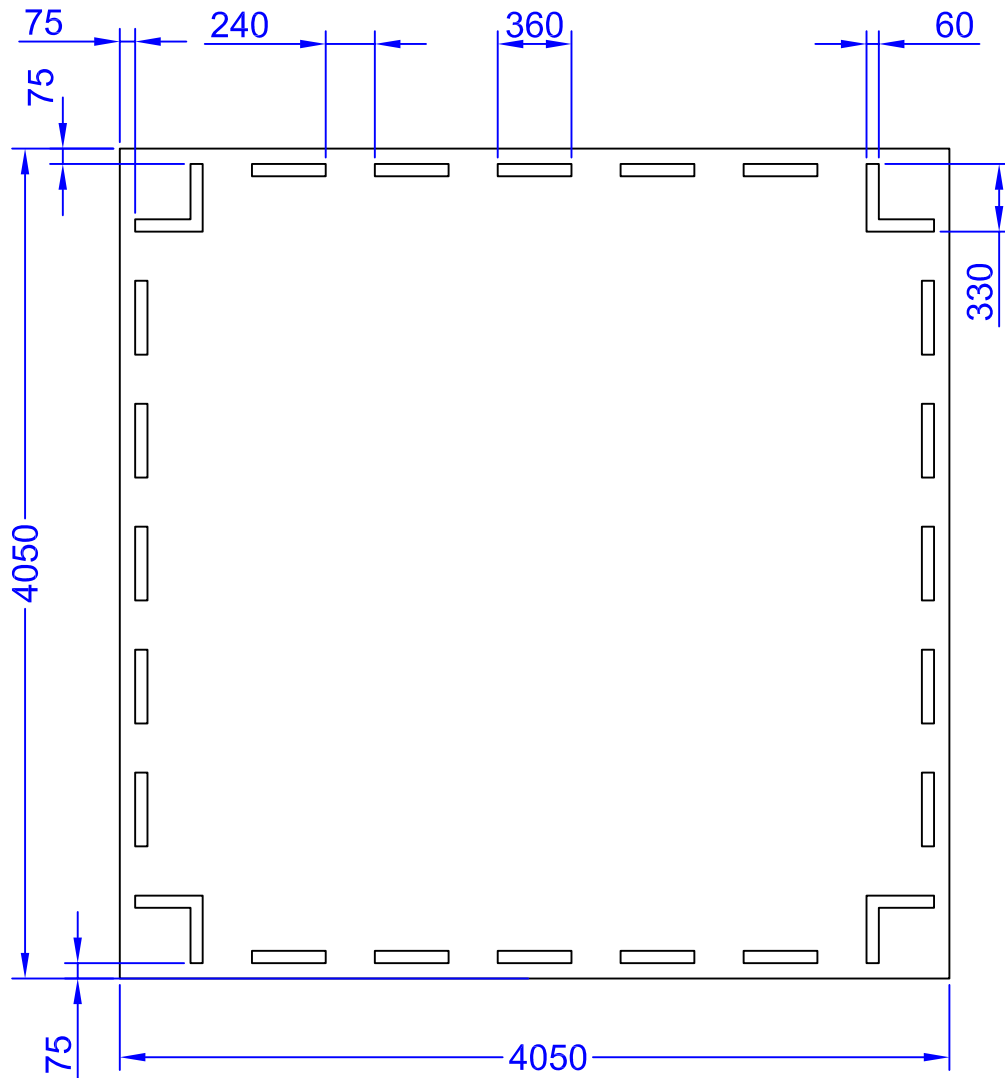
24x24mm 208-PAD  
416 BOND WIRES

Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

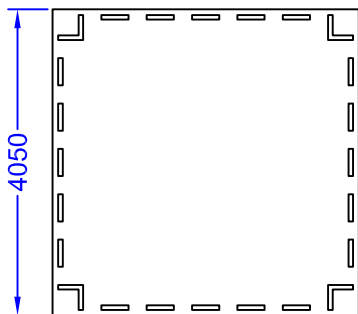
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE TD SERIES - SINGLE ROW			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA			A	154000	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 14
REVISED					

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

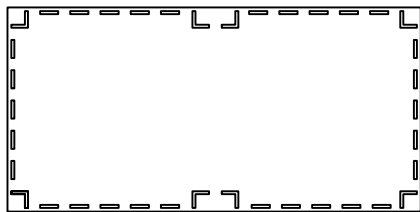
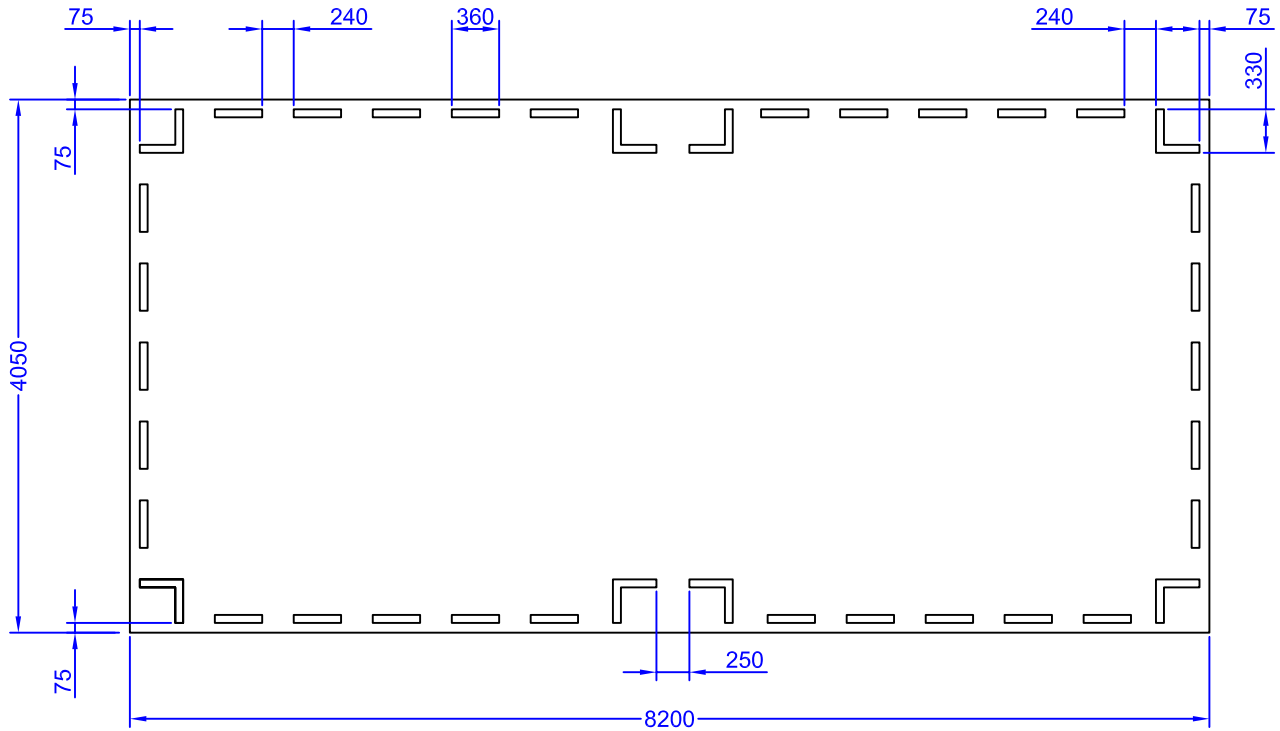


SCALE 1:100

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD24 4X4MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154024	A
REVISED		DO NOT SCALE DRAWING			SHEET 2 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:150

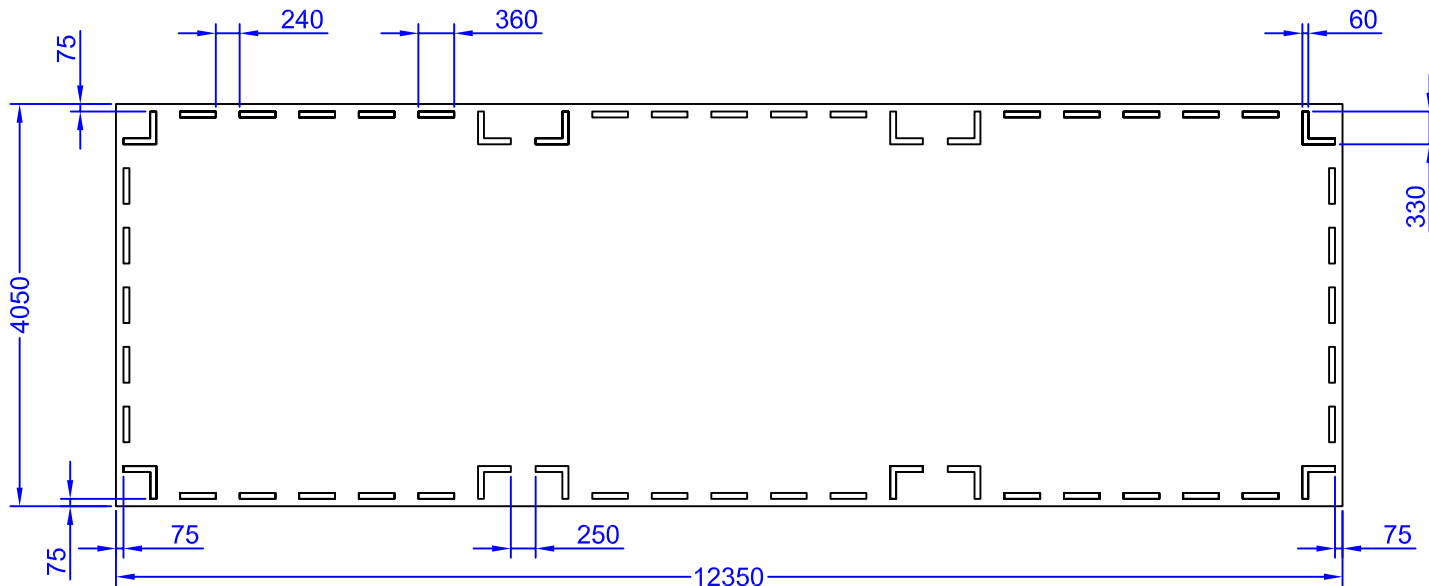
Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

DIMENSIONS IN MICRONS  
1000 um = 1.0mm

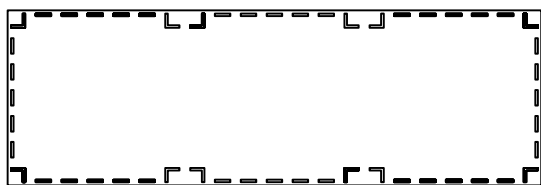
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE TD46 4X8MM			
MFG					
QA		SCALE	SIZE A	DRAWING NO. 154046	REV A
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 3 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

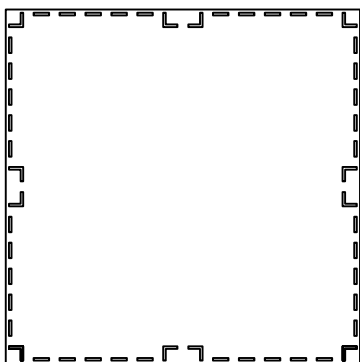
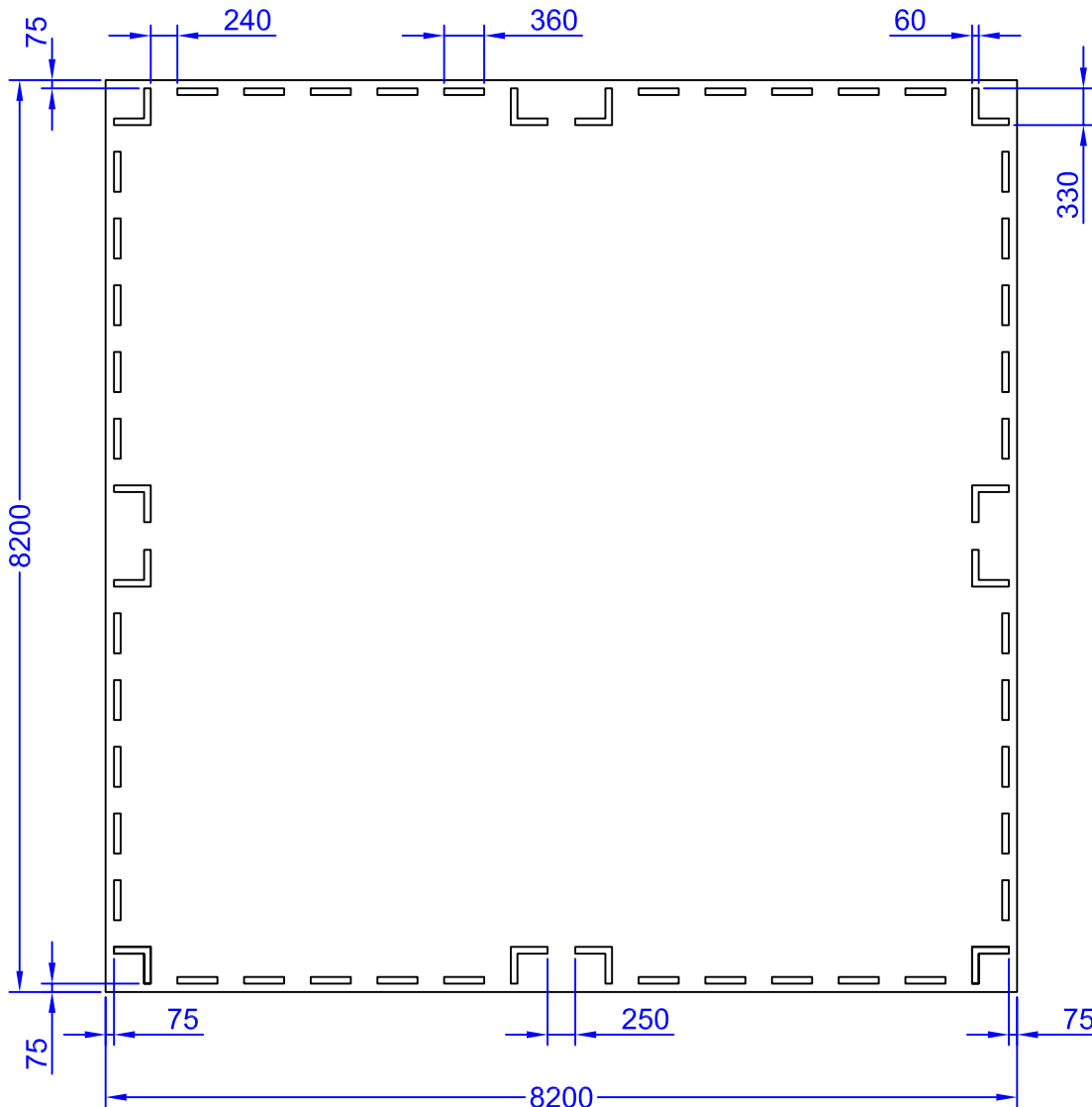


SCALE 1:175

DIMENSIONS IN MICRONS  
1.0mm = 1000um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD52 4X12MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154052	A
REVISED		DO NOT SCALE DRAWING			SHEET 4 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:175

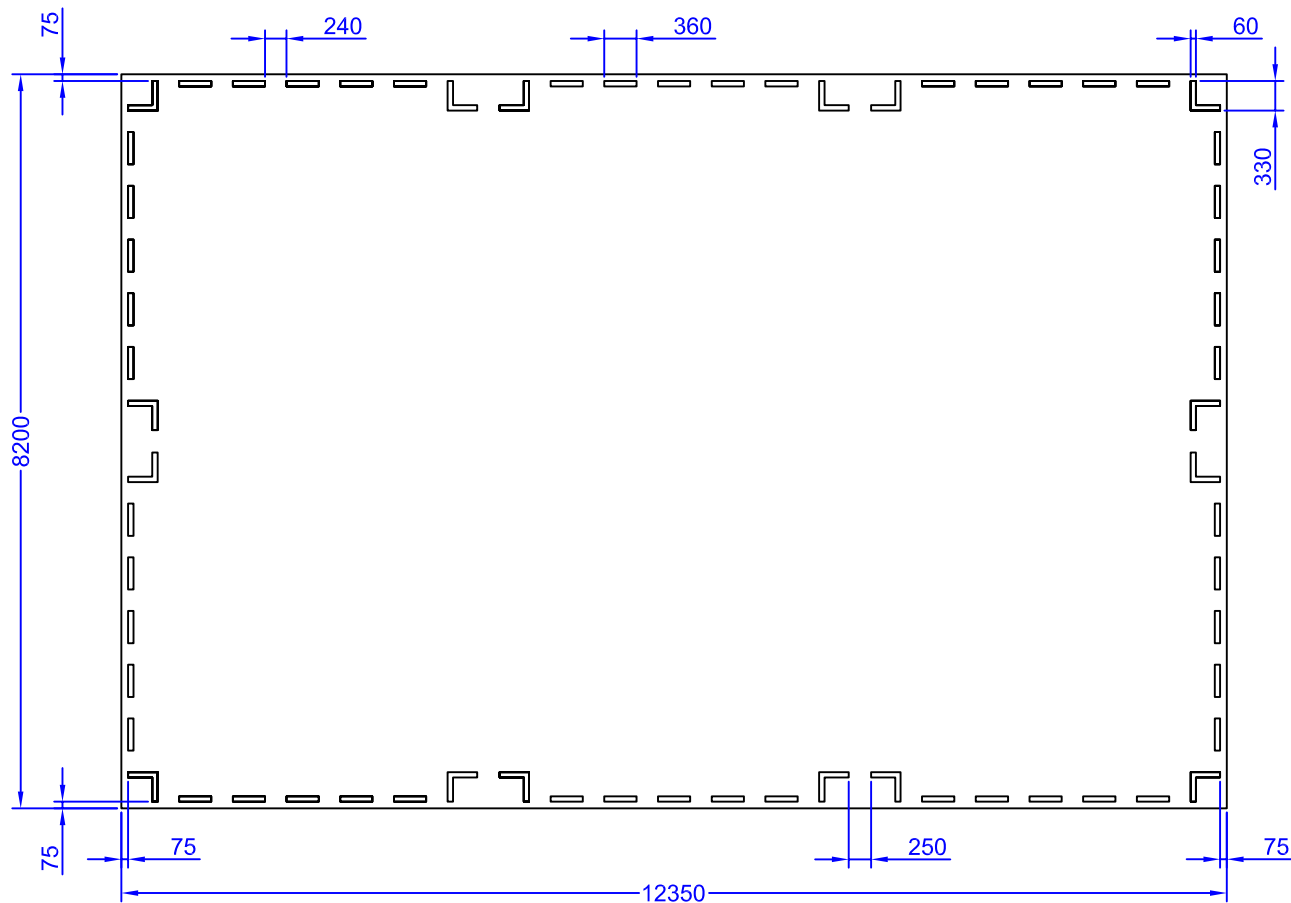
DIMENSIONS IN MICRONS  
1.0mm = 1000um

Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD64 8X8MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154064	A
REVISED		DO NOT SCALE DRAWING			SHEET 5 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

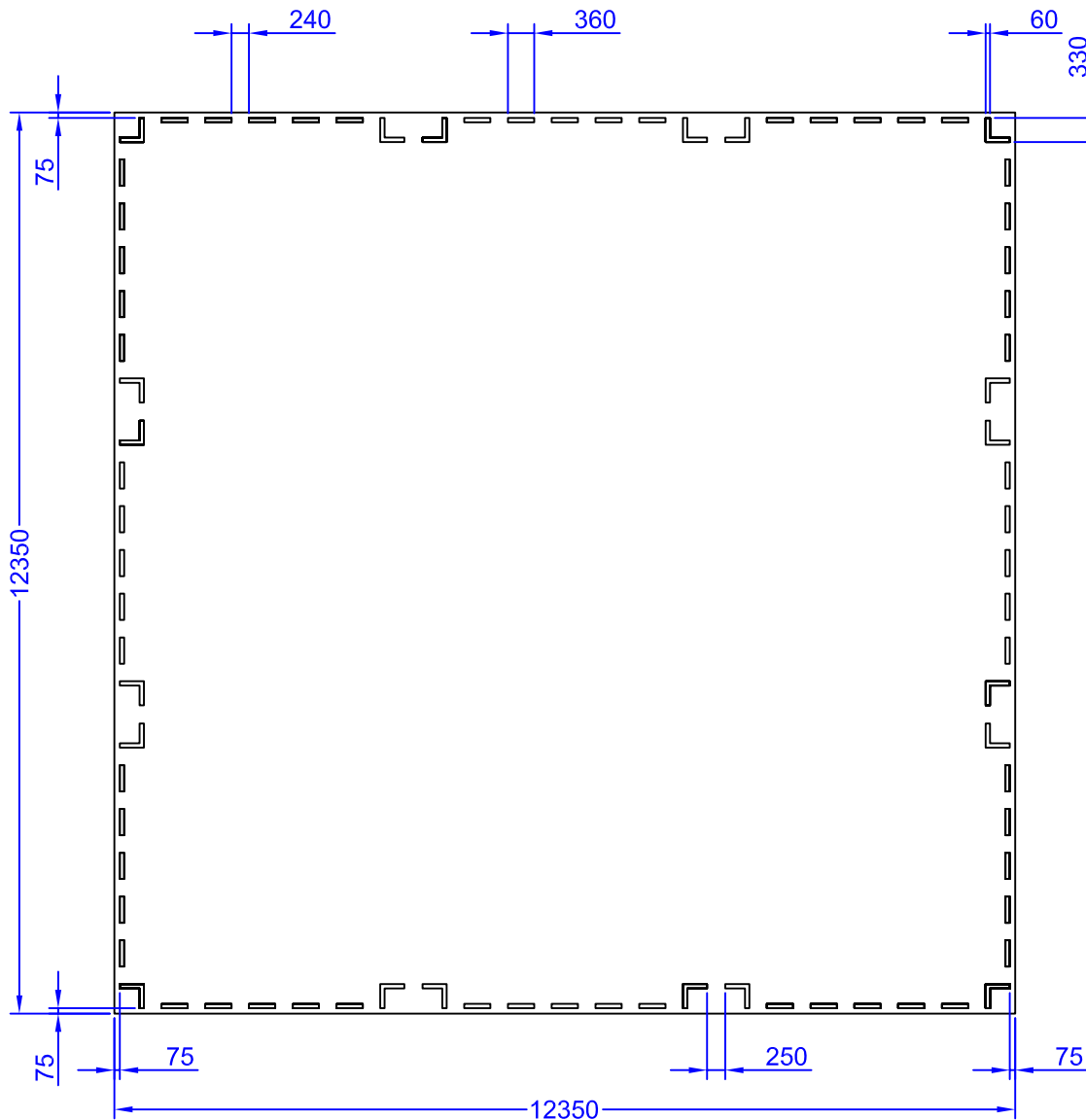


SCALE 1:200

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

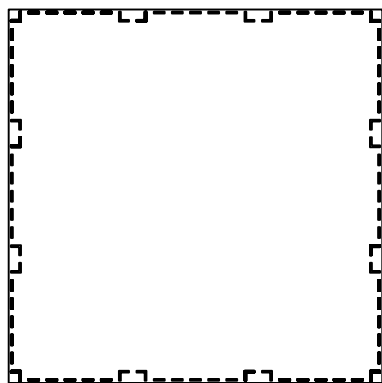
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD82 8X12MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154082	A
REVISED		DO NOT SCALE DRAWING			SHEET 6 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

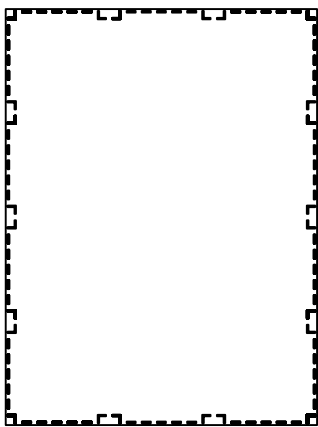
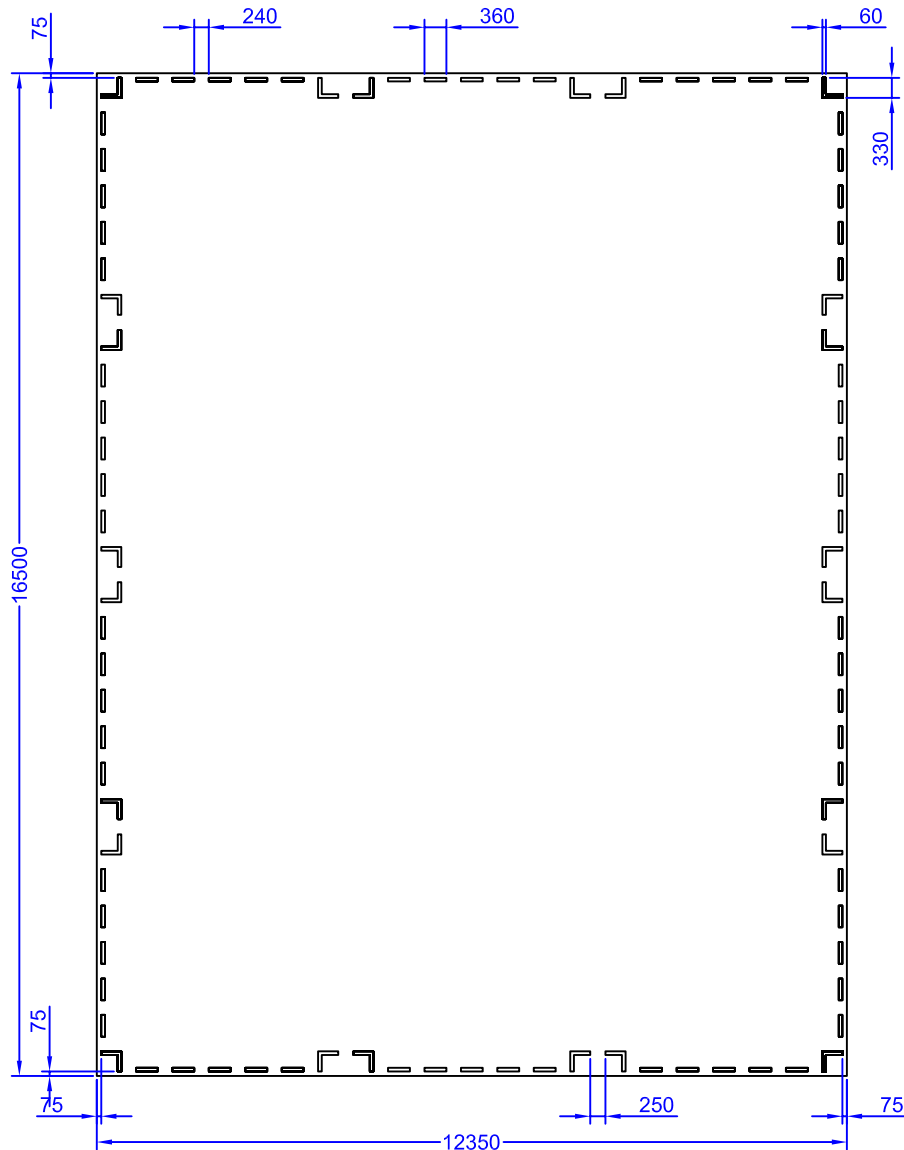


SCALE 1:250

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD100 12X12MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154100	A
REVISED		DO NOT SCALE DRAWING			SHEET 7 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:300

Notes: (Unless Otherwise Specified).

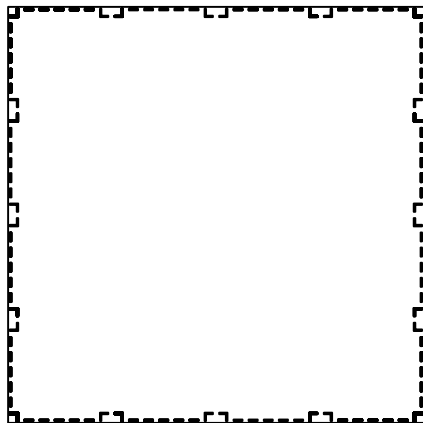
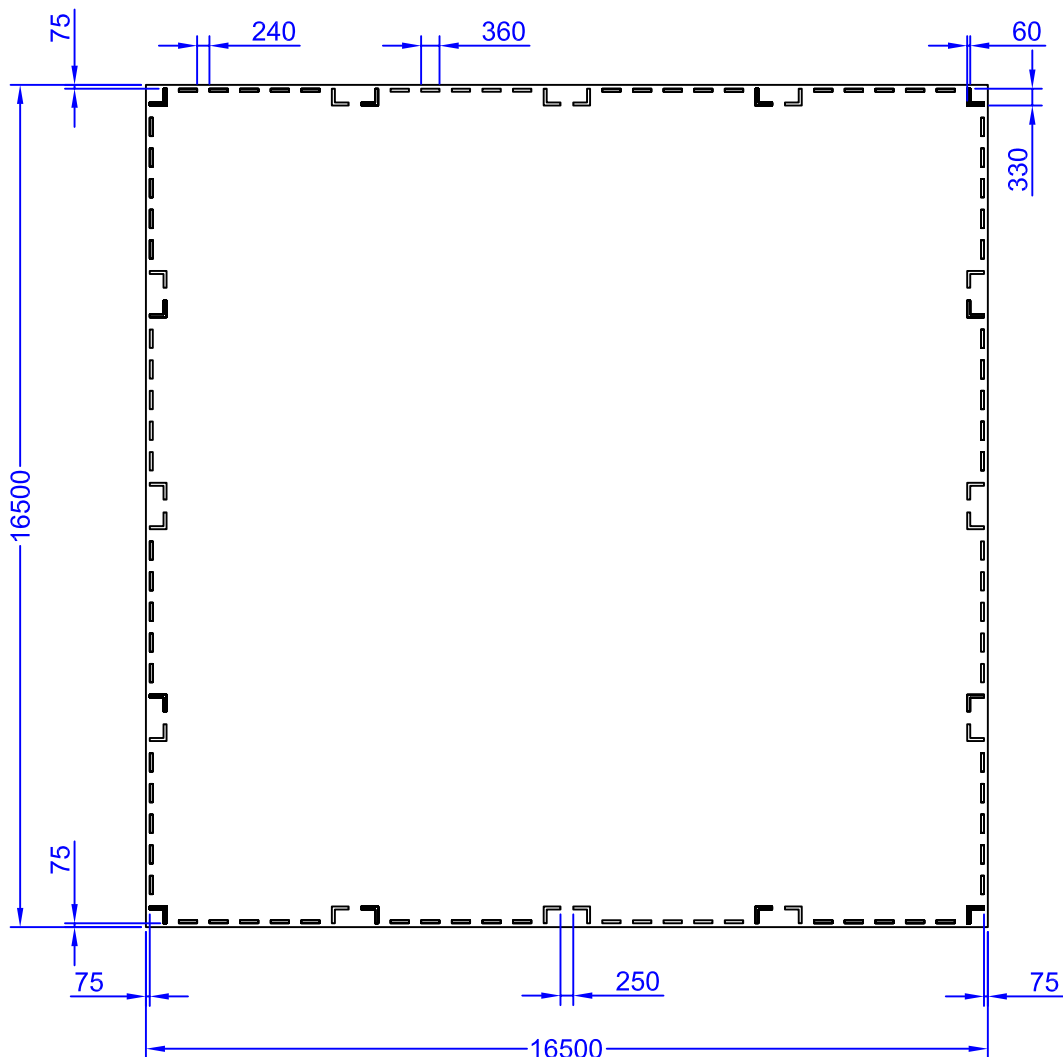
1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD118 12X16MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154118	A
REVISED		DO NOT SCALE DRAWING			SHEET 8 OF 14



PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:300

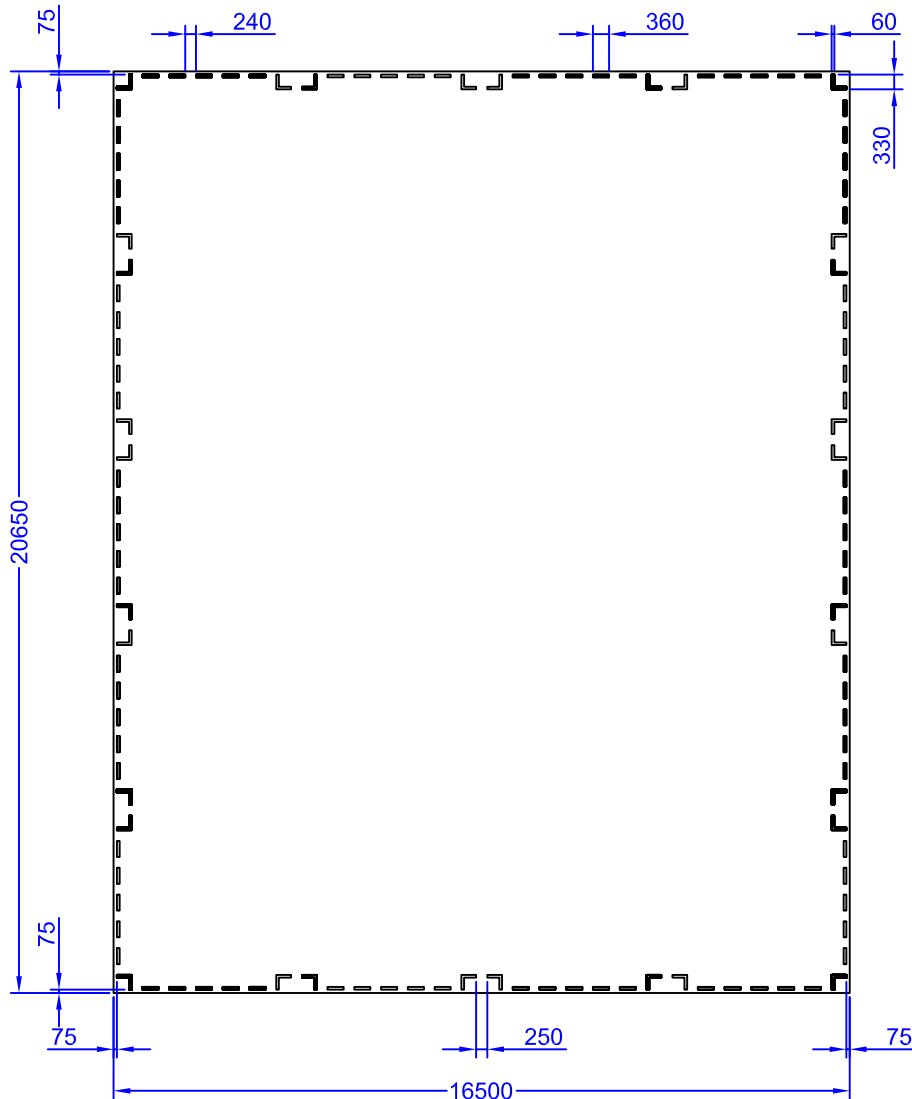
Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

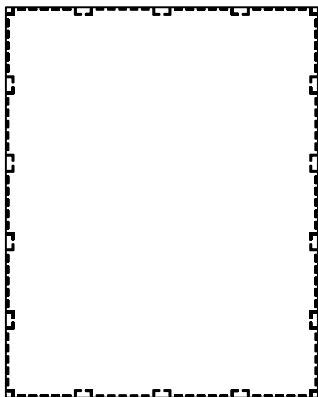
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD136 16X16MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154136	A
REVISED		DO NOT SCALE DRAWING			SHEET 9 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

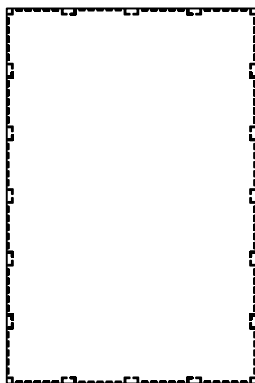
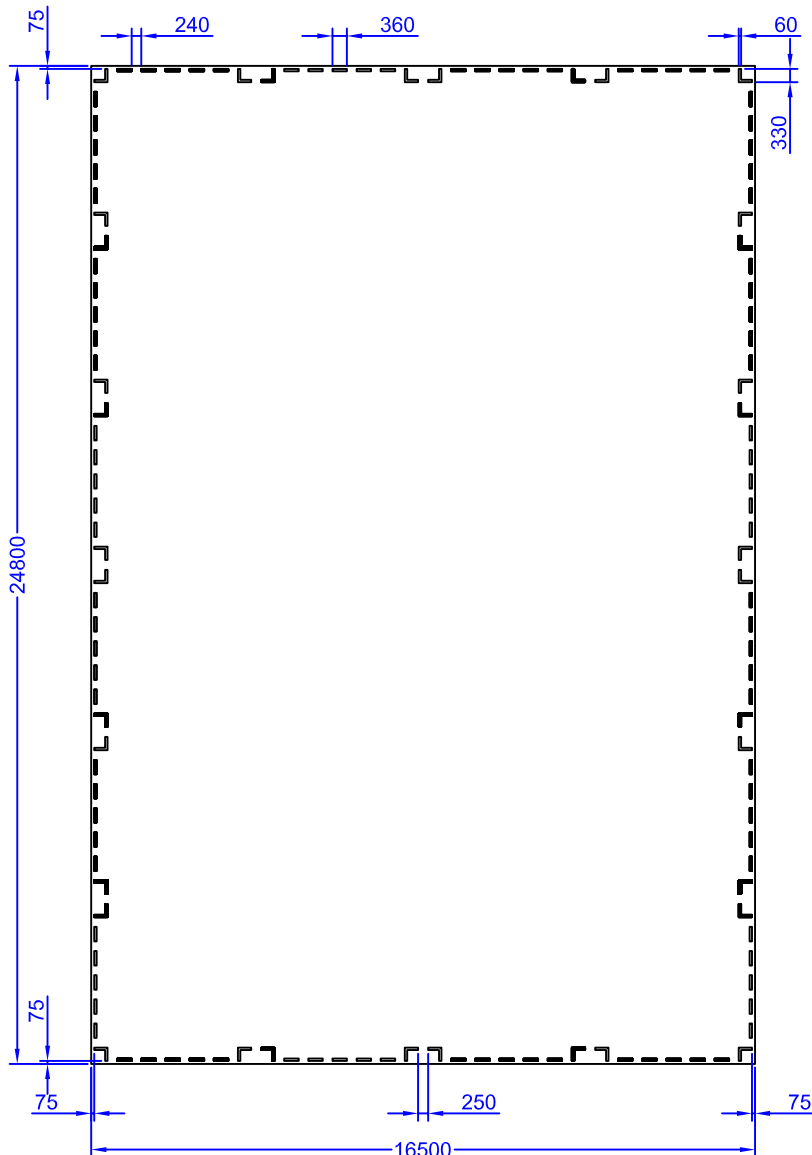


SCALE 1:400

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD154 16X20MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154154	A
REVISED		DO NOT SCALE DRAWING			SHEET 10 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:500

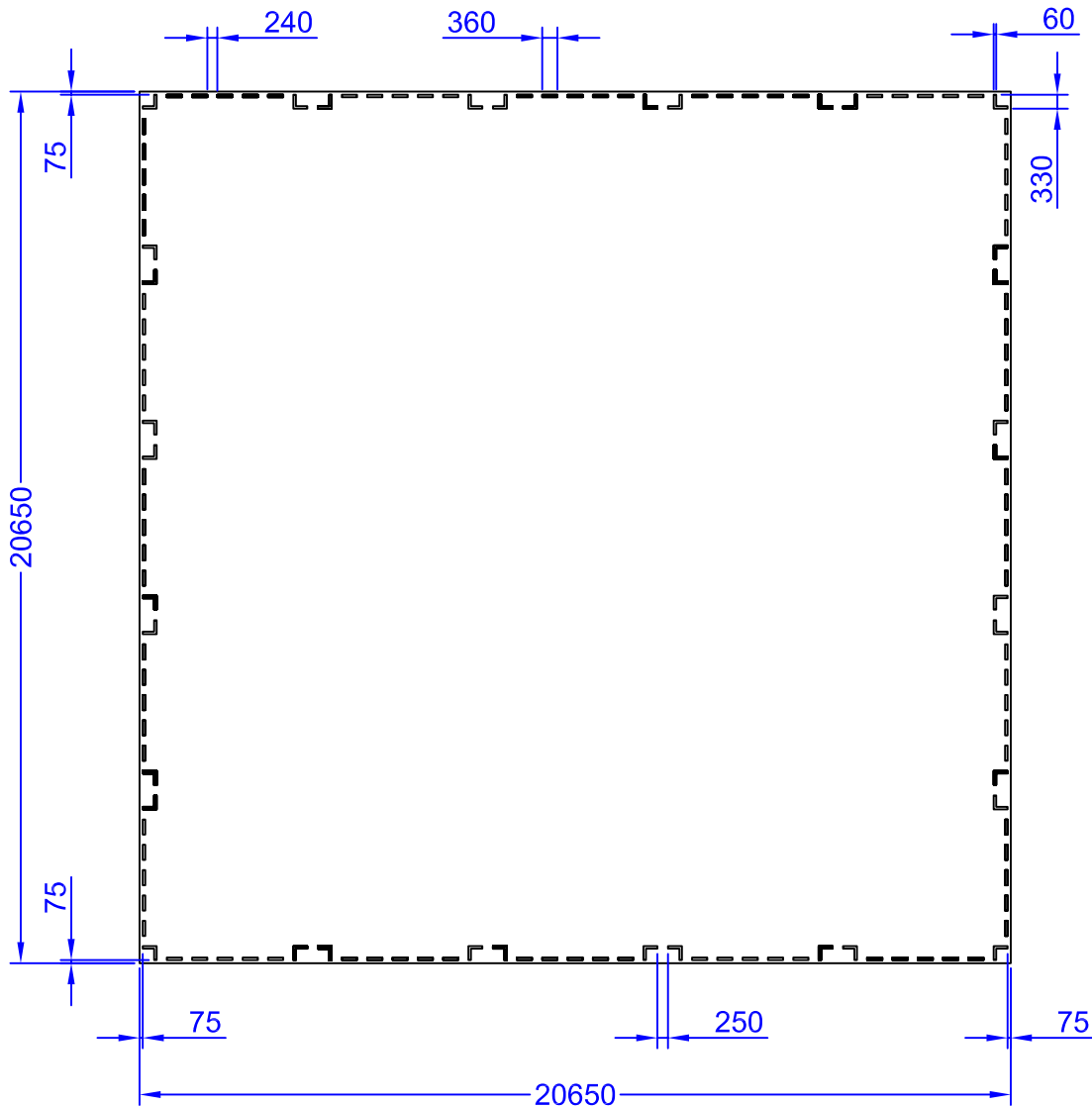
Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

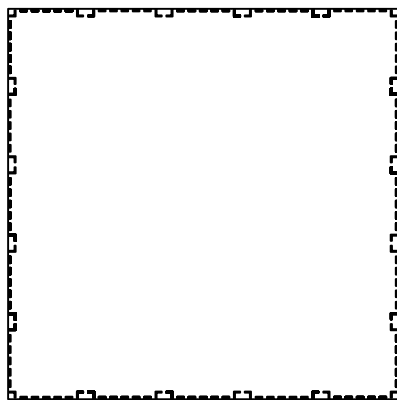
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD170 16X24MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154170	A
REVISED		DO NOT SCALE DRAWING			SHEET 11 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

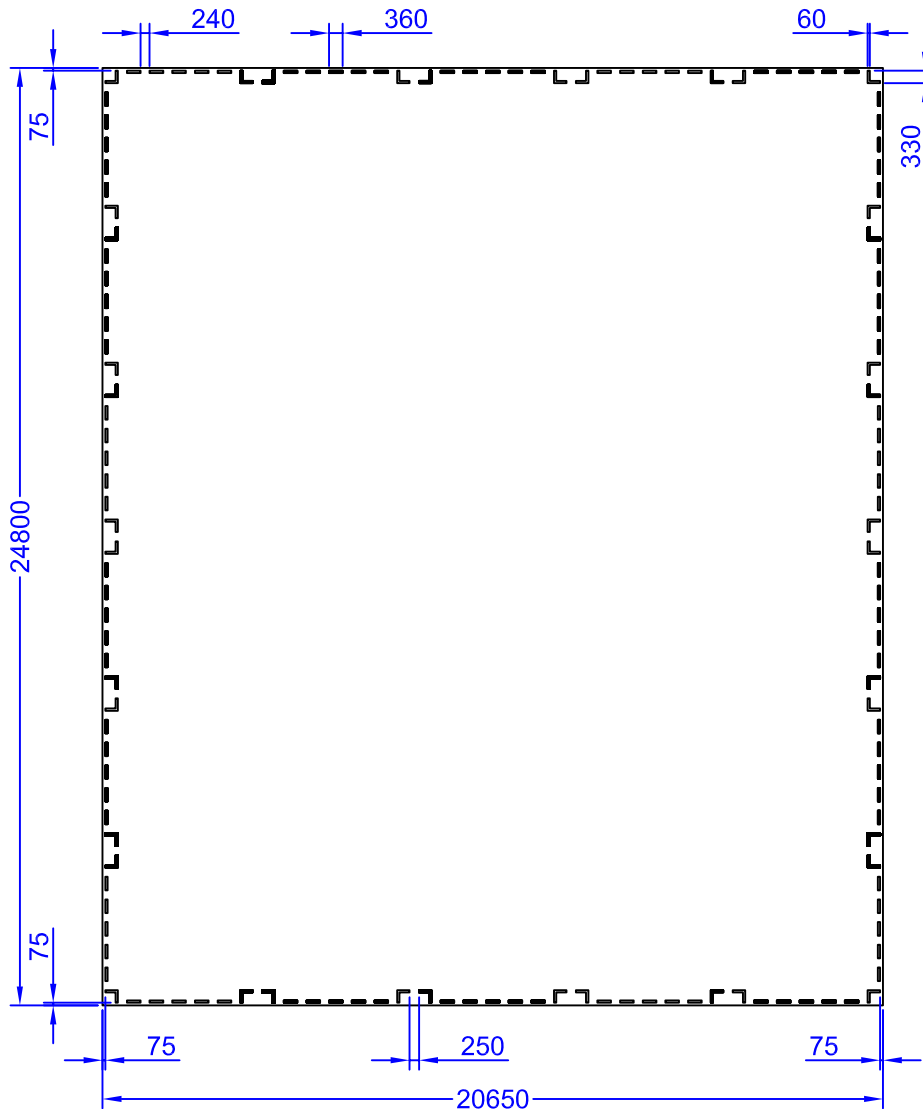


SCALE 1:400

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

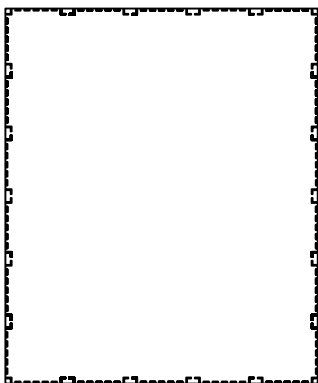
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD172 20X20MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154172	A
REVISED		DO NOT SCALE DRAWING			SHEET 12 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

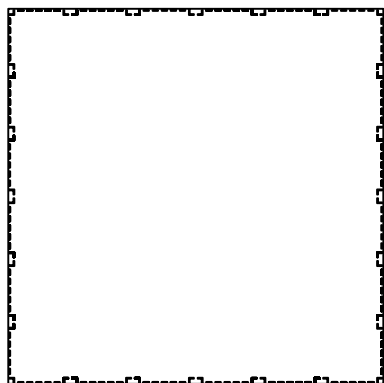
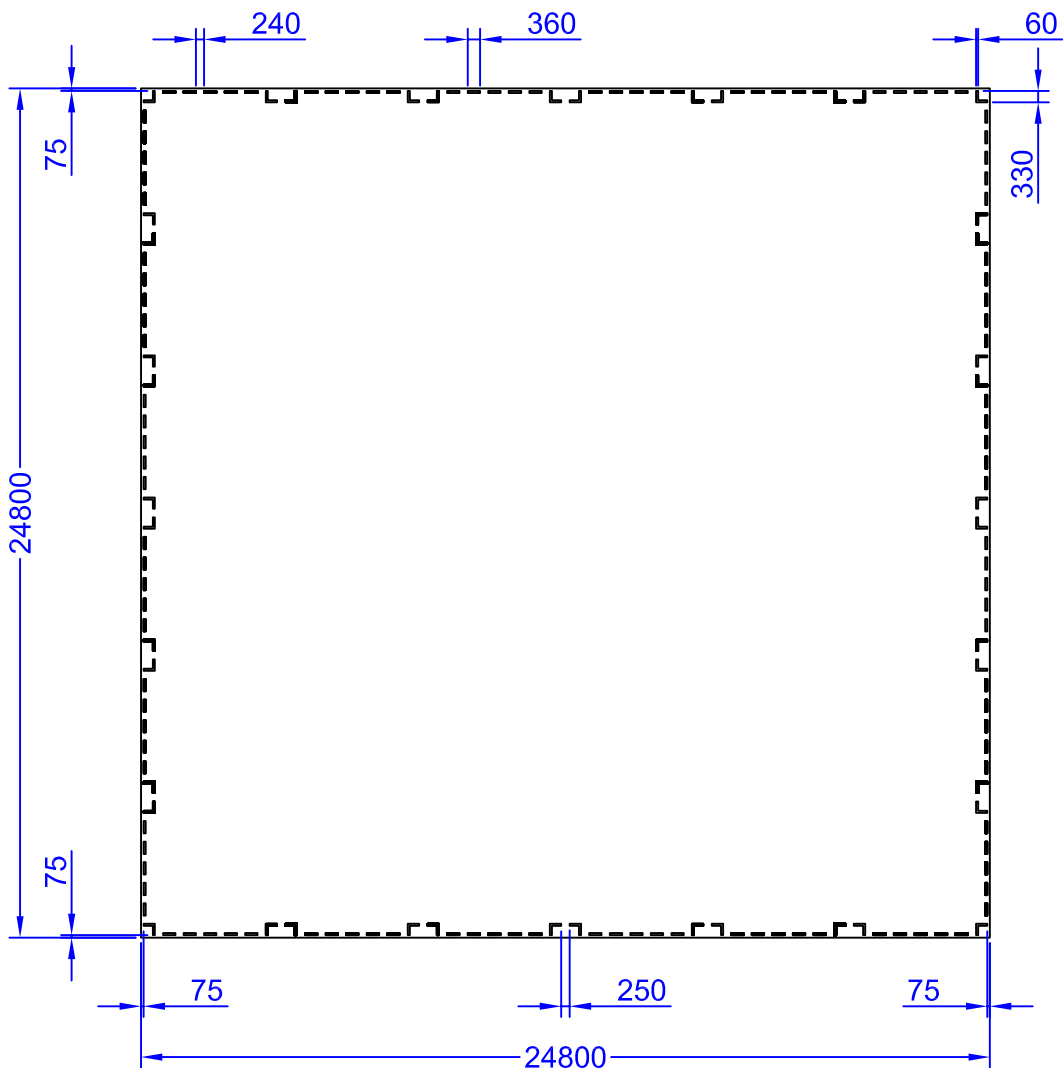


SCALE 1:500

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD190 20X24MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154190	A
REVISED		DO NOT SCALE DRAWING			SHEET 13 OF 14

PERIMETER PAD TEST DIE  
DAISY CHAIN



SCALE 1:500

Notes: (Unless Otherwise Specified).

1. DIE MATERIAL IS SILICON.
2. DIE THICKNESS 250um ~ 725um.
3. METALLIZATION 1.0 um ALUMINUM (Al).
4. DIE IS WITHOUT PASSIVATION.
5. WIRE BONDABLE WITH GOLD (Au) WIRE.
6. DAISY CHAIN PAIRS.

DIMENSIONS IN MICRONS  
1.0mm = 1000 um

APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au					
ENG		TITLE DAISY CHAIN TEST DIE			
MFG		TD208 24X24MM			
QA		SCALE	SIZE	DRAWING NO.	REV
CUST			A	154208	A
REVISED		DO NOT SCALE DRAWING			SHEET 14 OF 14