

# SOLDER PASTE STENCIL FOR 1.27mm COLUMN ATTACHMENT FOR CCGA CERAMIC SUBSTRATE

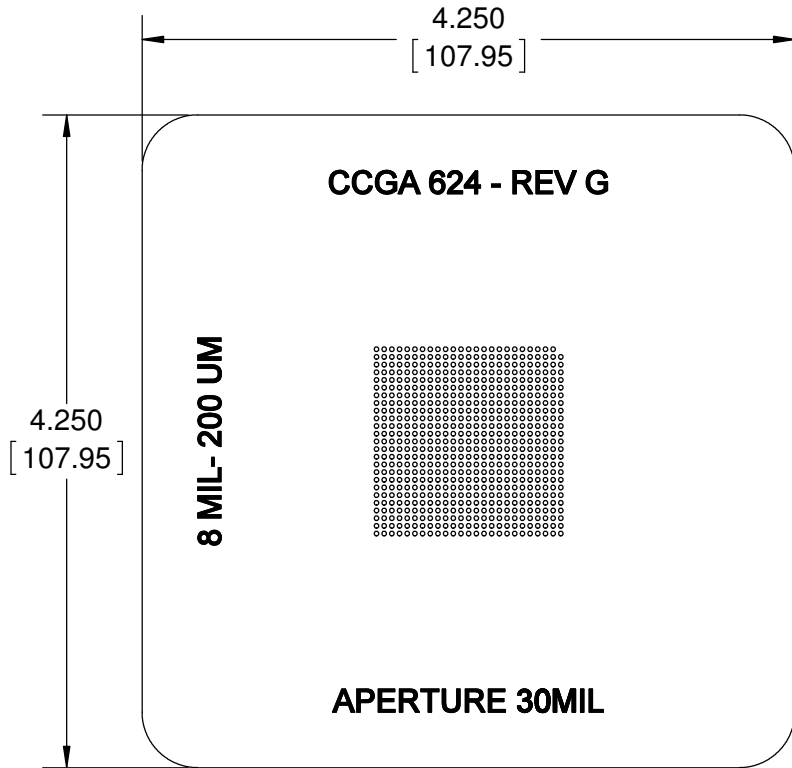


TABLE 1 - SOLDER COLUMNS

APERTURE VARIATION 1:1						
REV	Ø DIA mil	Ø DIA mm	STENCIL THICKNESS		PASTE VOLUME	
			mil	µm	mil <sup>3</sup>	mm <sup>3</sup>
E	27.0	0.68	8.0	203	4580	0.074
F	28.0	0.71	8.0	203	4926	0.080
G	30.0	0.76	8.0	203	5655	0.092
H	32.0	0.81	8.0	203	6434	0.105

TABLE 2 - MICRO-COIL SPRINGS

APERTURE VARIATION 1:1						
REV	Ø DIA mil	Ø DIA mm	STENCIL THICKNESS		PASTE VOLUME	
			mil	µm	mil <sup>3</sup>	mm <sup>3</sup>
E	27.0	0.68	6.0	152	3435	0.055
F	28.5	0.71	6.0	152	3695	0.060
G	30.0	0.76	6.0	152	4241	0.069
H	32.0	0.81	6.0	152	4825	0.078

**APPLICATION NOTES:**

- STENCIL DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING STENCILS.
- STENCIL THICKNESS:  
COLUMNS: 8.0 MIL (203µm)  
MICRO-COIL SPRINGS: 6.0 MIL (152µm)
- SOLDERPASTE: Sn63/Pb37 FLUX ROL0 TYPE 3 PARTICLE SIZE.  
NO CLEAN PASTE IS OPTIONAL

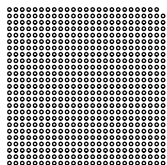
APPROVALS	DATE	<b>TopLine®</b>			
DRAWN T. Au	4/12/2017				
ENG M. Hart	4/12/2017	TITLE SOLDER PASTE STENCIL CCGA CERAMIC SUBSTRATE			
MFG					
QA		SCALE 1:1.25	SIZE A	DRAWING NO. 622540	REV B
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 3
REVISED					

**APERTURE VARIATIONS  
NOT TO SCALE**

**DWG622546**

**CCGA 624 - REV E**

**8 MIL- 200 UM**

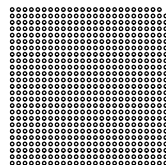


**APERTURE 27MIL**

**DWG622547**

**CCGA 624 - REV F**

**8 MIL- 200 UM**

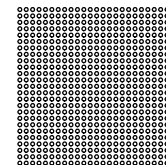


**APERTURE 28MIL**

**DWG622548**

**CCGA 624 - REV G**

**8 MIL- 200 UM**

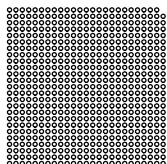


**APERTURE 30MIL**

**DWG622549**

**CCGA 624 - REV H**

**8 MIL- 200 UM**



**APERTURE 32MIL**

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TITLE **SOLDER PASTE STENCIL  
CCGA CERAMIC SUBSTRATE**

SCALE 2:3	SIZE A	DRAWING NO. 622540	REV B
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DO NOT SCALE DRAWING

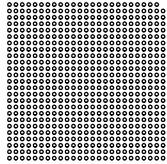
SHEET 2 OF 3

**APERTURE VARIATIONS  
NOT TO SCALE**

**DWG622542**

**CCGA 624 - REV E**

**6 MIL- 150 UM**

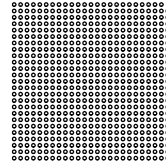


**APERTURE 27MIL**

**DWG622543**

**CCGA 624 - REV F**

**6 MIL- 150 UM**

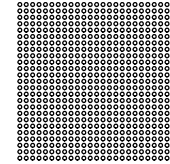


**APERTURE 28MIL**

**DWG622544**

**CCGA 624 - REV G**

**6 MIL- 150 UM**

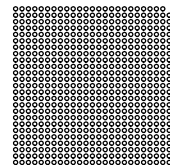


**APERTURE 30MIL**

**DWG622545**

**CCGA 624 - REV H**

**6 MIL- 150 UM**



**APERTURE 32MIL**

**TopLine®**

TITLE **SOLDER PASTE STENCIL  
CCGA CERAMIC SUBSTRATE**

SCALE 2:3	SIZE A	DRAWING NO. 622540	REV B
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DO NOT SCALE DRAWING

SHEET 3 OF 3