General Info

Board dimensions — 40mm x 70mm Number of layers — 2 Smallest hole — 0.3mm Number of holes — Approx 120 Minimum Track & Gap — 0.15mm RoHS/Lead Free — Yes Material — FR4 or equivalent

Stackup\_

Stackup is to be as follows:

Layer Copper Weight (Pre-Plating)

 Layer 01 (Top)
 0.5oz

 Layer 02 (Bottom)
 0.5oz

Finished board thickness to be 1.6mm 0.1mm

Impedance Control

Not required.

Copper Thieving/Balancing

The supplier may not add copper thieving/balancing.

Finish

A.) Conductive finish

Plating to be immersion gold.

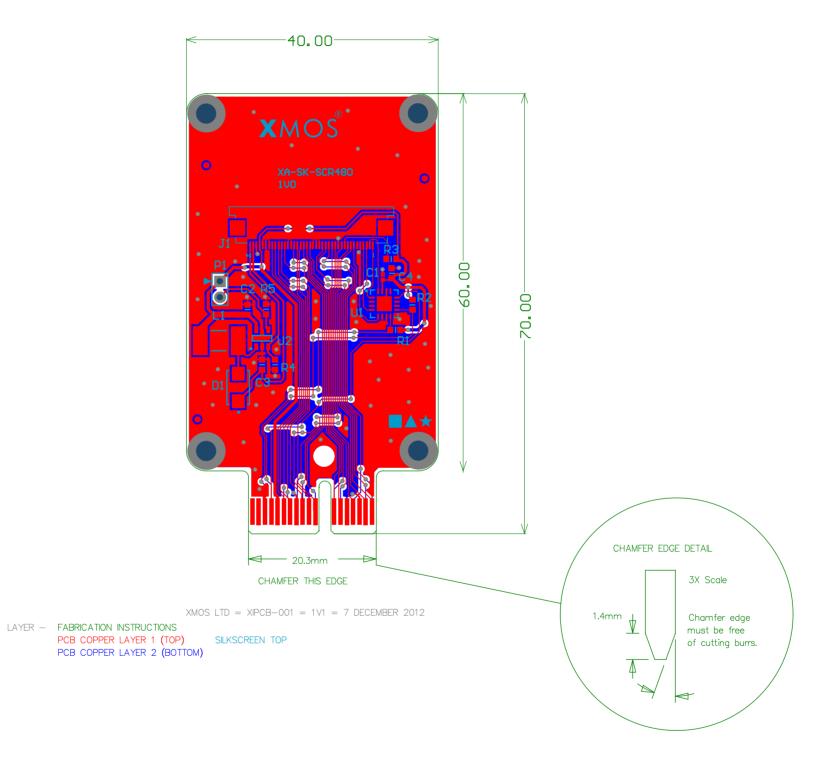
B.) Soldermask

Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

C.) Silkscree

Colour white. Supplier should remove any silkscreen which overhangs pads.

Drill Data





General Info

Board dimensions — 40mm x 70mm Number of layers — 2 Smallest hole — 0.3mm Number of holes — Approx 120 Minimum Track & Gap — 0.15mm RoHS/Lead Free — Yes Material — FR4 or equivalent

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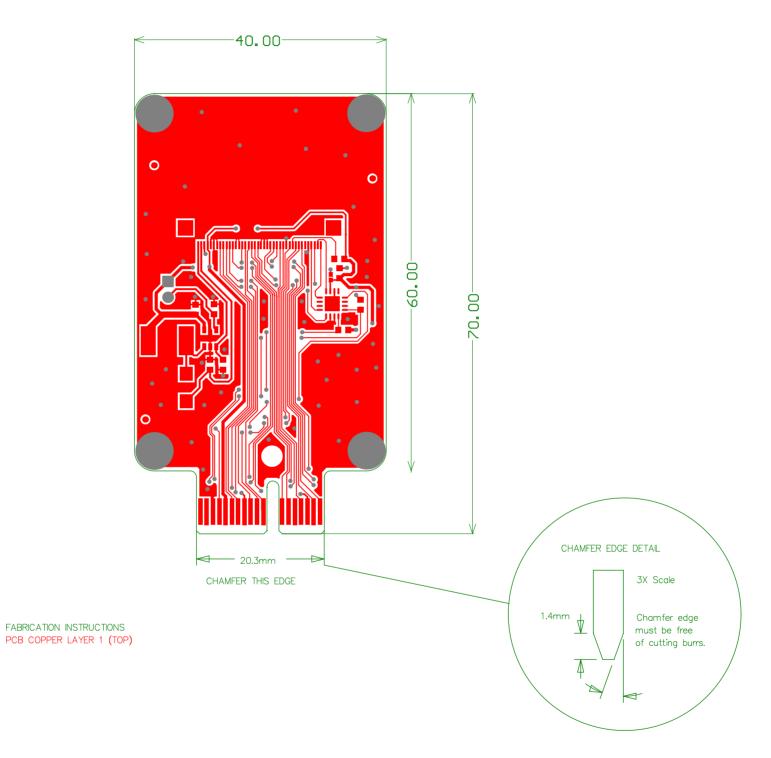
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### Stackup\_

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Layer Copper Weight (Pre-Plating)

0.5

Layer 02 (Bottom) 0.5oz

Finished board thickness to be 1.6mm 0.1mm

Impedance Control

Not required.

Copper Thieving/Balancing

The supplier may not add copper thieving/balancing.

Finish

A.) Conductive finish

Plating to be immersion gold.

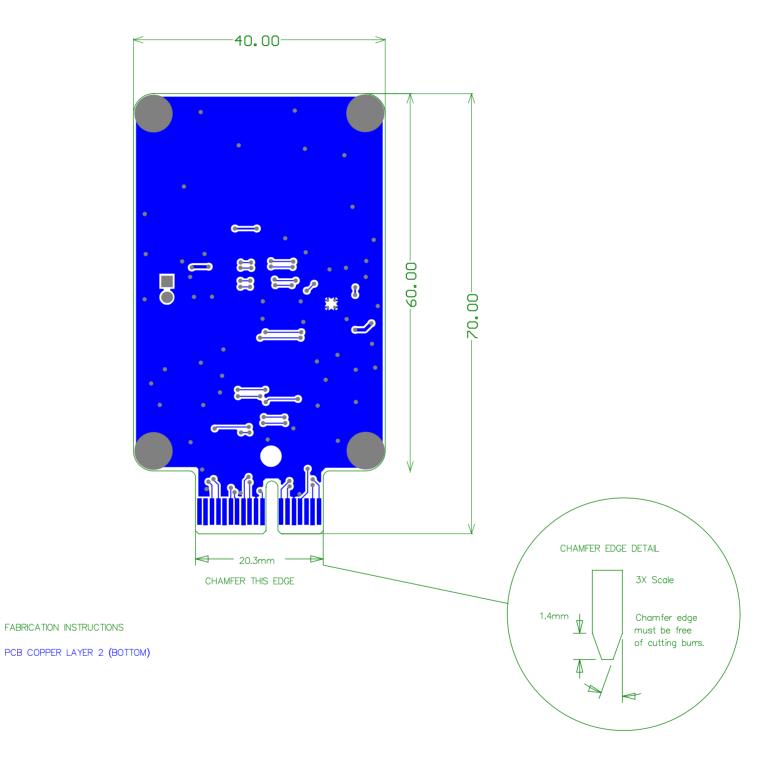
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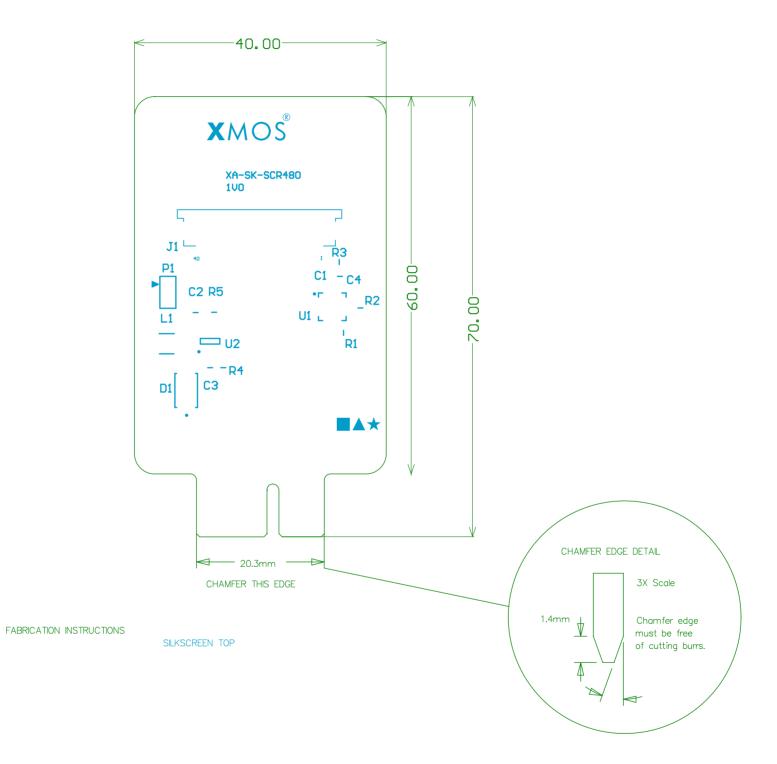
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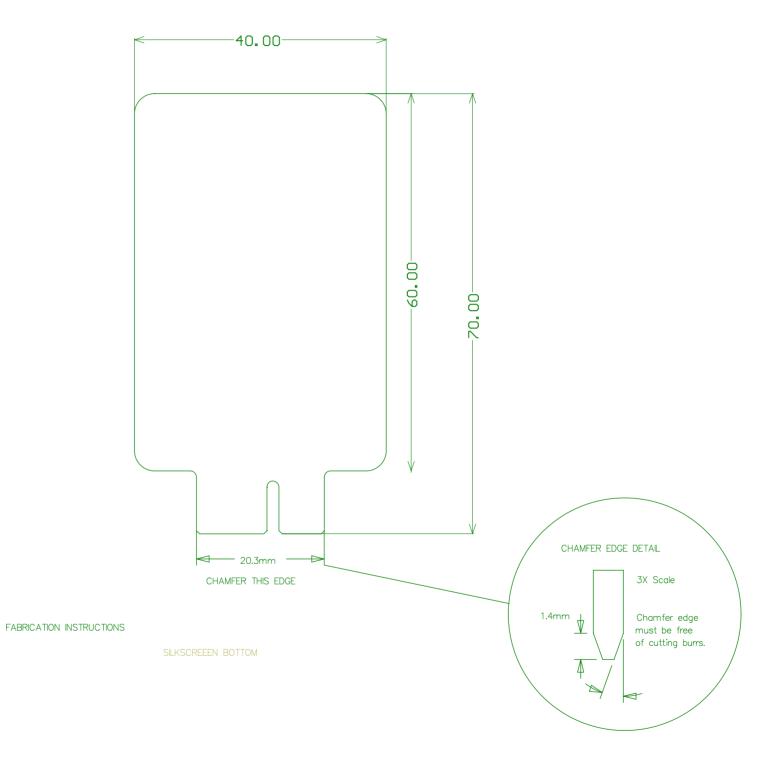
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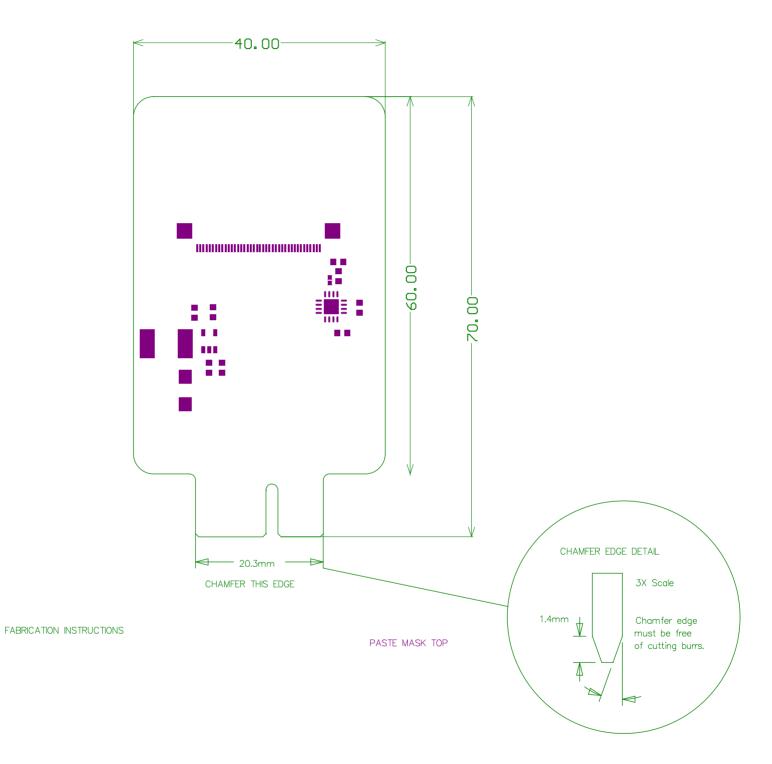
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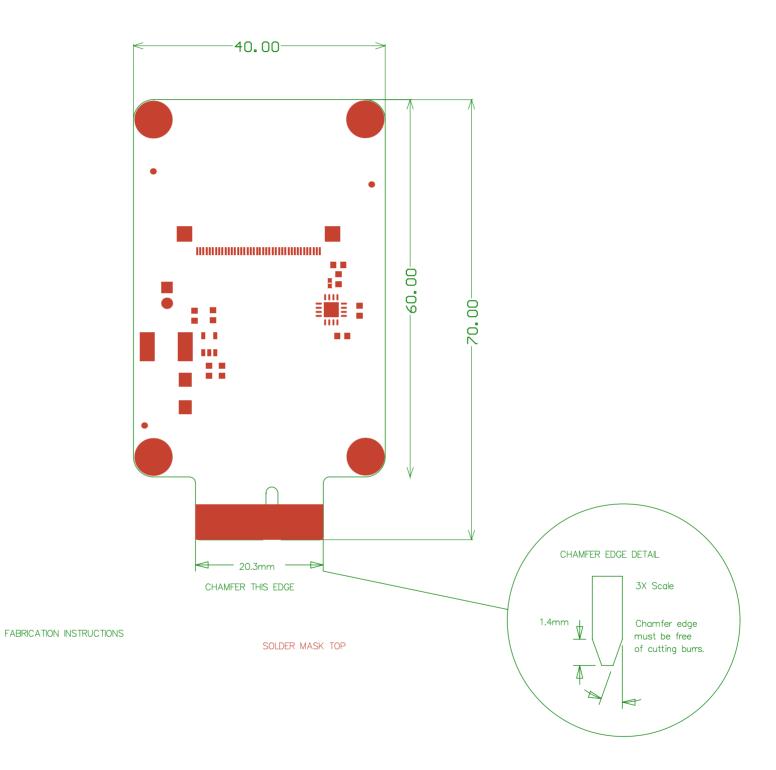
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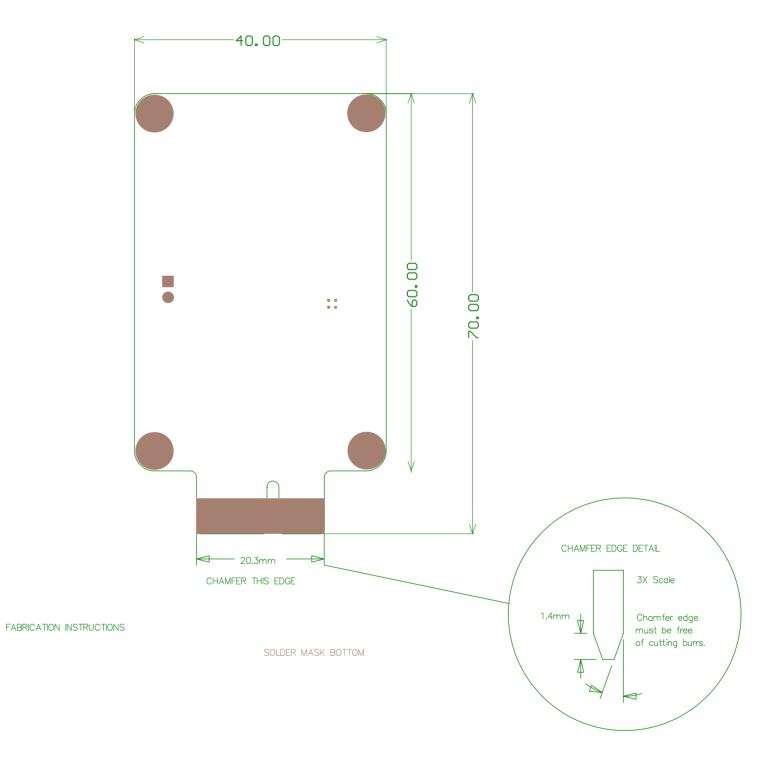
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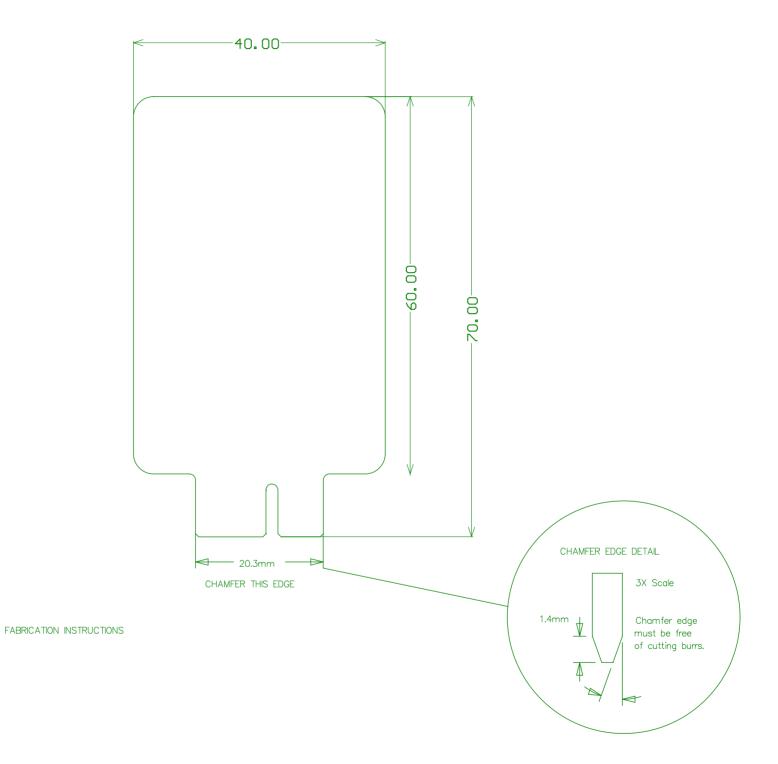
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Plating to be immersion gold.

B.) Soldermask

Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

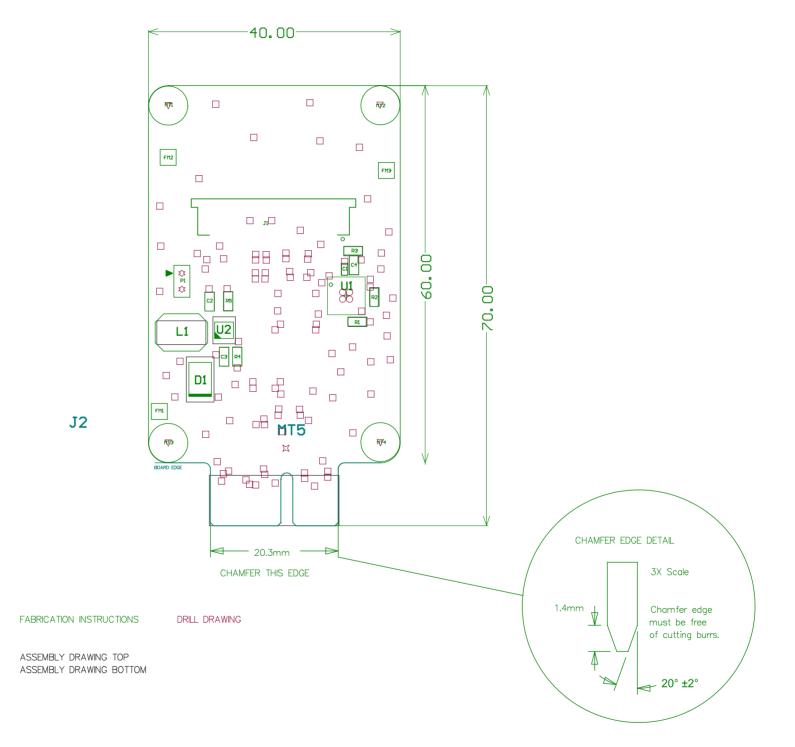
.) Silkscreer

Colour white. Supplier should remove any silkscreen which overhangs pads.

Drill Data

Symbol	Hit Count	Tool Size	Plated	Hole Type
0	4	0.2mm (7.874mil)	PTH	Round
	108	O.3mm (11.811mil)	PTH	Round
❖	2	1mm (39.37mil)	PTH	Round
¤	1	2.8mm (110.236mil)	NPTH	Round
$\nabla$	4	3.2mm (125.984mil)	PTH	Round
	119 Total			

Drill Drawing.





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Plating to be immersion gold.

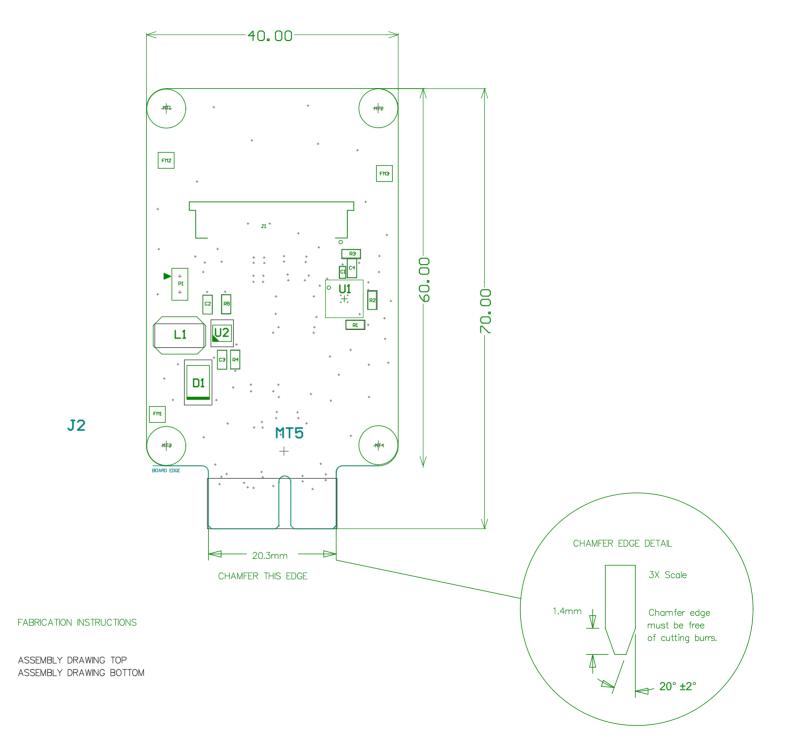
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Drill Data





# **BOM**

## SCR480 Slice

**Source Data From:** 

XA-SK-SCR480.PrjPCB

**XMOS**<sup>®</sup>

Project:

XA-SK-SCR480.PrjPCB

Variant:

None

Report Date: 14/01/2013 16:16:50

Print Date: 14-Jan-13 4:16:54 PM

•	mit Bato.		1. 10.0 1 1 10.	
#	LibRef	Designator	Description	Quantity
1 E	<del>-</del> -01-0002	R3, R5	RES 10k 0603 1%	
2 E	<del>-</del> -01-0021	R1, R2	RES 4.7k 0603 1%	
3 E	E-01-0067	R4	RES 18R 0603 1%	
4 E	E-02-0002	C1	MLCC 100nF 0402 X7R 16V	
5 E	E-02-0005	C2	MLCC 4.7uF 0603 X5R 6.3V	
6 E	E-02-0020	C4	MLCC 1uF 0603 X5R 10V	
7 E	<del>-</del> -02-0050	C3	MLCC 1uF 0603 X5R 50V	
8 E	E-09-0017	L1	Pow er Inductor,47uH,470mR	
9 E	<del>-</del> -10-0016	D1	Schottky Diode, 40V, 1A, SMB	
10 E	<del>-</del> -13-0120	U1	Touch Screen Controller, I2C, 16VTQP	
11 E	<del>-</del> -13-0121	U2	LED BOOST CONVERTOR	
12 E	E-18-0010	J1	Display, LCD TFT, Graphic, 480x272, RGB	
13 F	P-01-0011	PROD1, PROD2, PROD3, PROD4	Feet, Nylon, M3, 6mm Standoff	,
Appro	Approved		Notes	1