General Info

Board dimensions — 40mm x 70mm Number of layers — 2 Smallest hole — 0.3mm Number of holes — Approx 180 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)
 0.50

 Layer 02 (Bottom)
 0.50

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

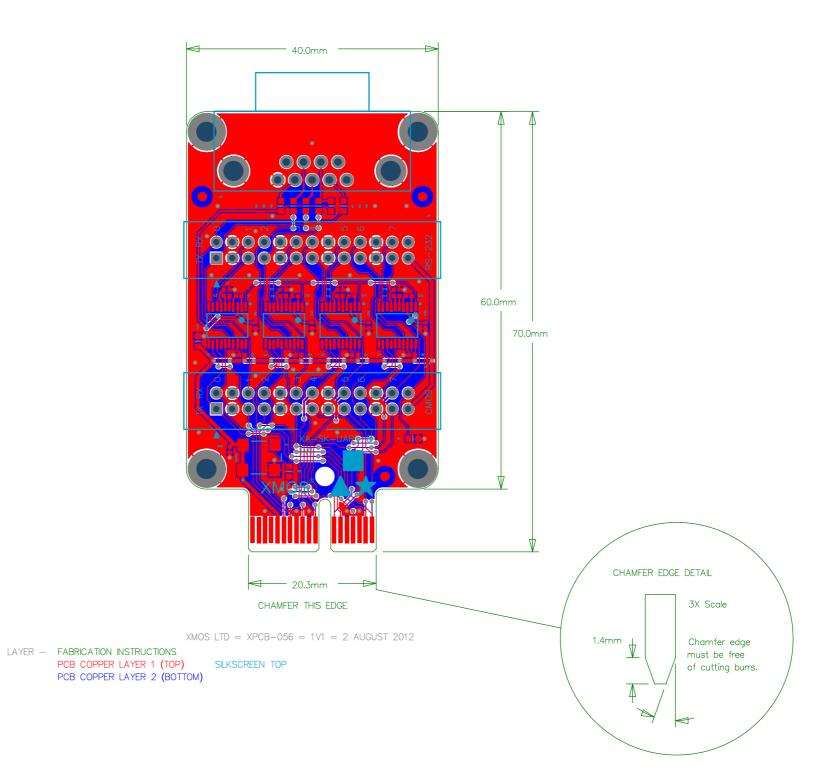
Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

C.) Silkscreen

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

Drill Data

Drill data is in Excellon format, metric (000.000), no zero suppression, absolute coordinates. Hole size is finished size.





Project Name

XPCB-056 (XA-SK-UART8)

 Sheet
 Date

 A4
 2 AUGUST 2012

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Revision

General Info

Board dimensions - 40mm x 70mm Number of layers -2Smallest hole - 0.3mm Number of holes — Approx 180 Minimum Track & Gap — 0.15mm RoHS/Lead Free - Yes Material — FR4 or equivalent

Stackup

Stackup is to be as follows:

Copper Weight (Pre-Plating) Layer

Layer 01 (Top) 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

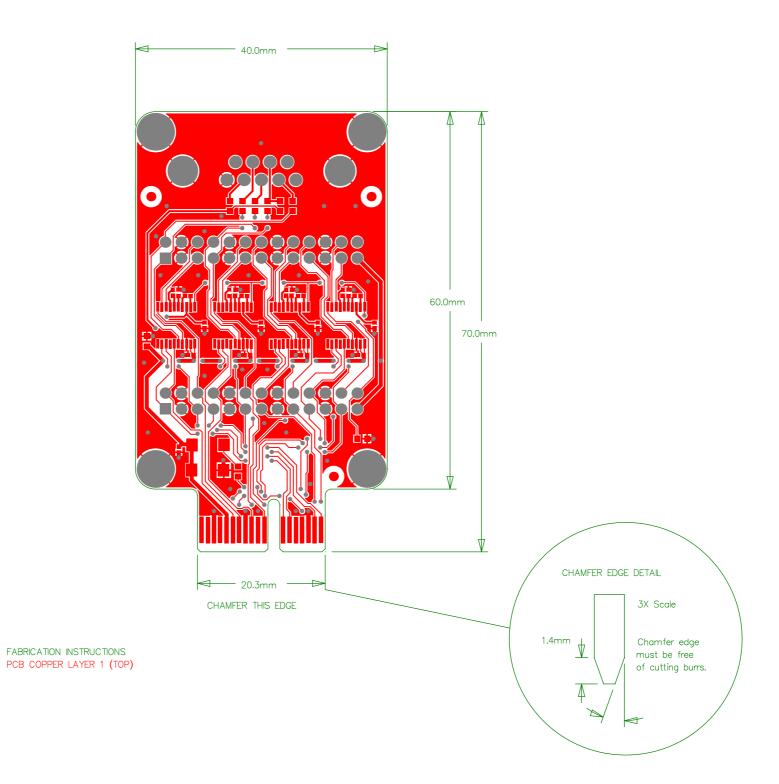
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C.) Silkscreen

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

Drill Data__

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Project Name XPCB-056 (XA-SK-UART8)

Sheet Revision 2 AUGUST 2012

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General Info

Board dimensions — 40mm x 70mm Number of layers — 2 Smallest hole — 0.3mm Number of holes — Approx 180 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)

0.5oz

Layer 02 (Bottom) 0.56

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

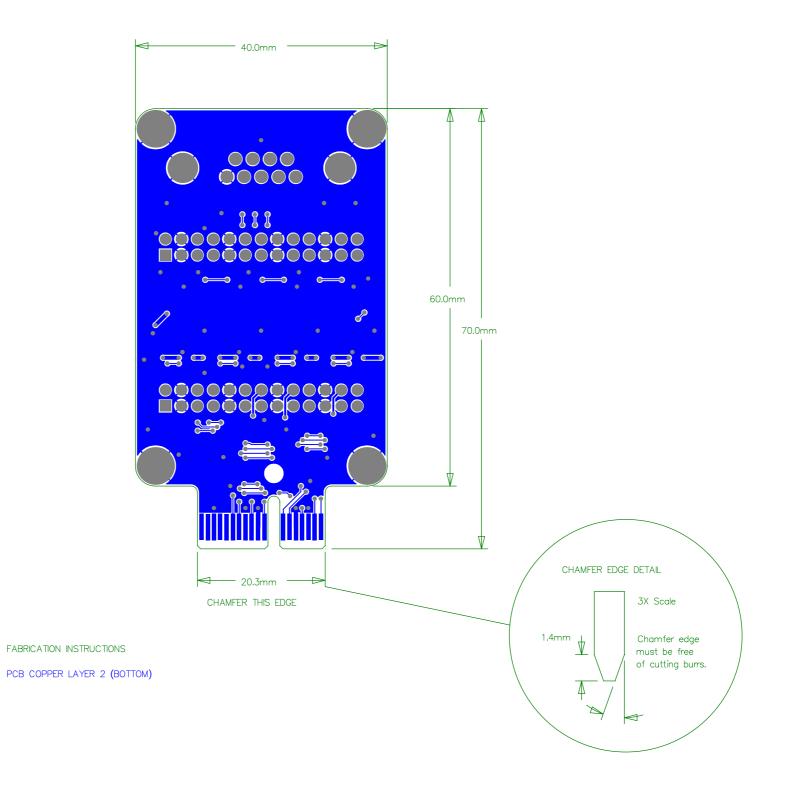
Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

C.) Silkscreen

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

Drill Data

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Project Name
XPCB-056 (XA-SK-UART8)

 Sheet
 Date

 A4
 2 AUGUST 2012

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Revision

General Info

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Stackup

Stackup is to be as follows:

Layer Copper Weight (Pre-Plating)

0.5oz 0.5oz

Finished board thickness to be 1.6mm 0.1mm

Impedance Control

Not required.

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The supplier may not add copper thieving/balancing.

Finish_

A.) Conductive finish

Plating to be immersion gold.

B.) Soldermask

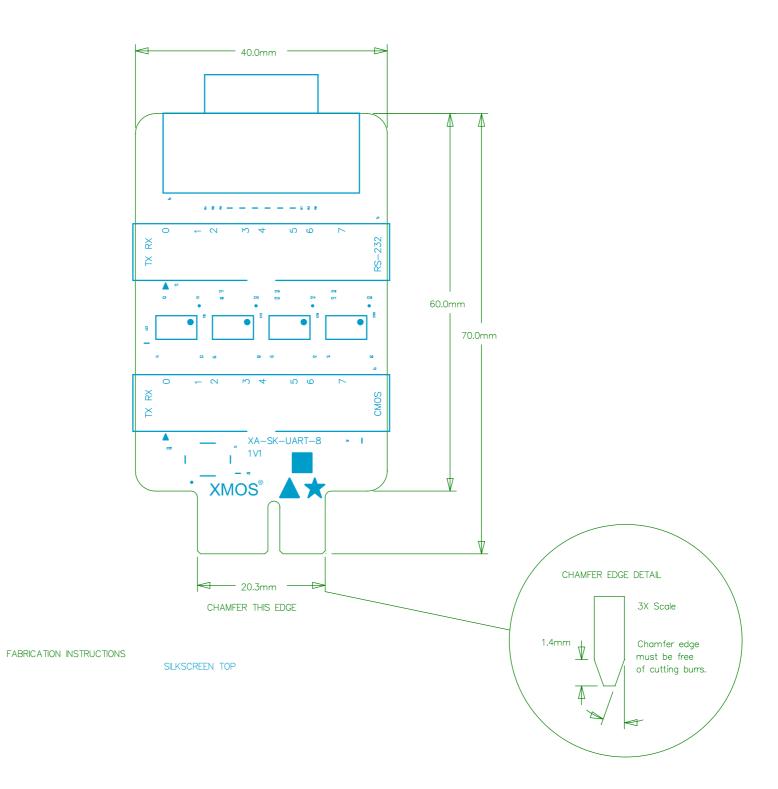
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Project Name

XPCB-056 (XA-SK-UART8)

 Sheet
 Date
 Revision

 A4
 2 AUGUST 2012
 1V1

General Info

Board dimensions - 40mm x 70mm Number of layers - 2 Smallest hole - 0.3mm Number of holes - Approx 180 Minimum Track & Gap — 0.15mm RoHS/Lead Free - Yes Material — FR4 or equivalent

Stackup

Stackup is to be as follows:

Copper Weight (Pre-Plating) Layer

> 0.5oz 0.5oz

Finished board thickness to be 1.6mm 0.1mm

Impedance Control

Not required.

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Finish

A.) Conductive finish

Plating to be immersion gold.

B.) Soldermask

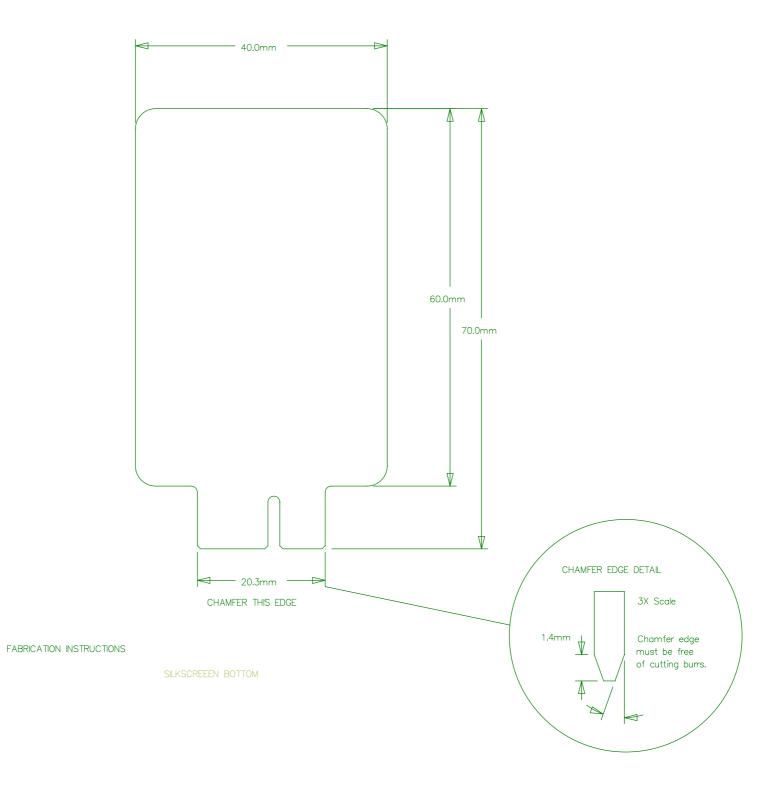
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Project Name XPCB-056 (XA-SK-UART8)

Revision Sheet 2 AUGUST 2012

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B.) Soldermask

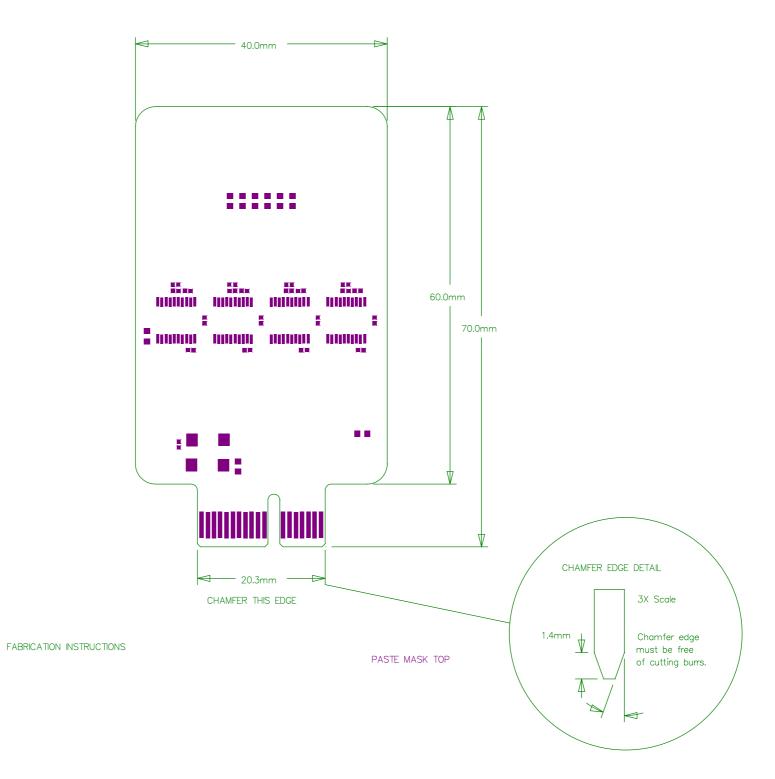
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XPCB-056 (XA-SK-UART8)

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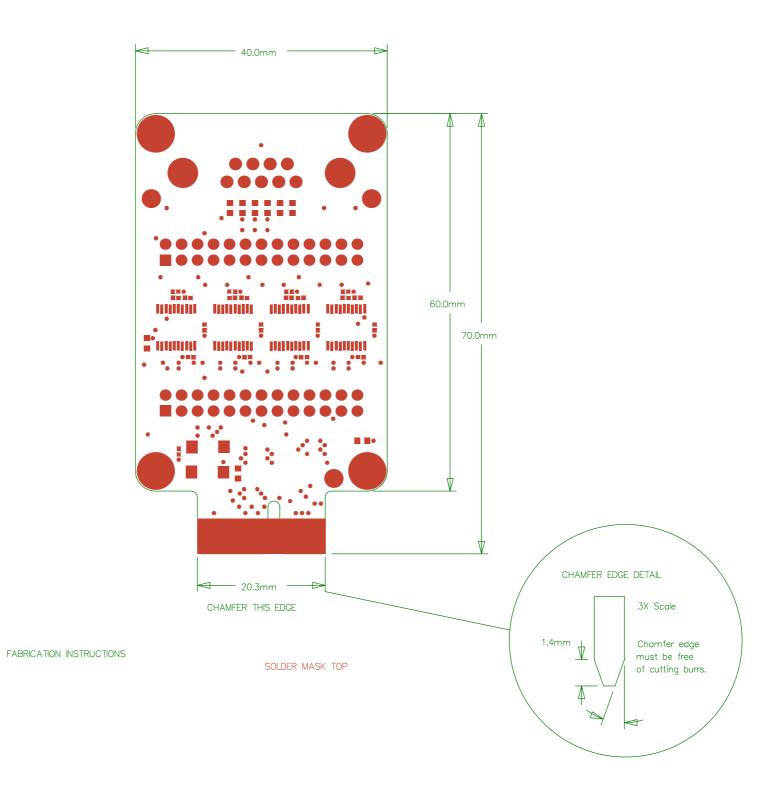
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Project Name

XPCB-056 (XA-SK-UART8)

Revision

1 V1

 Sheet
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General Info

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Finish

A.) Conductive finish

Plating to be immersion gold.

B.) Soldermask

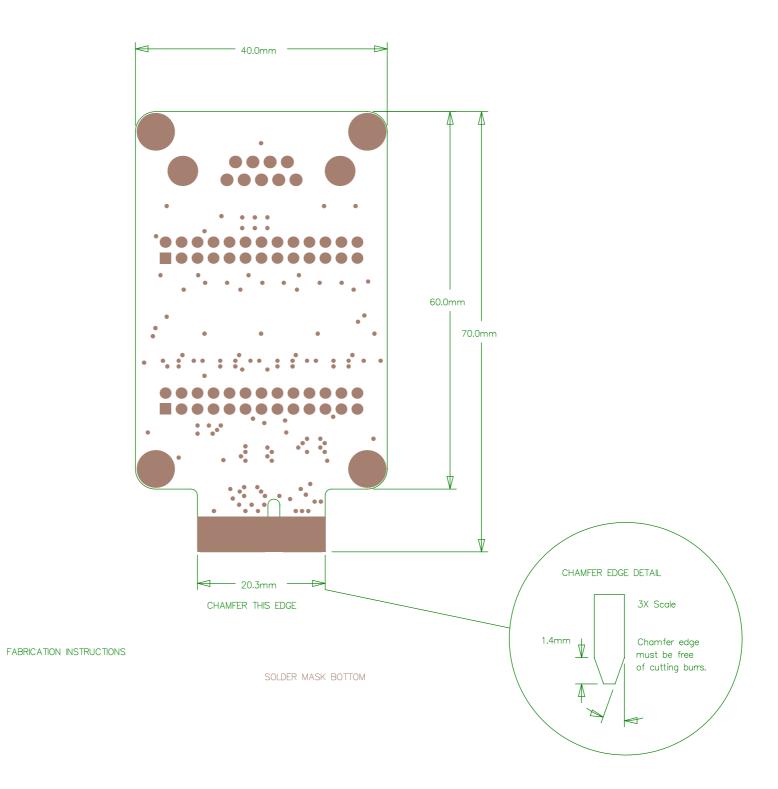
Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

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

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Project Name XPCB-056 (XA-SK-UART8)

1 V1

Revision Sheet 2 AUGUST 2012

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B.) Soldermask

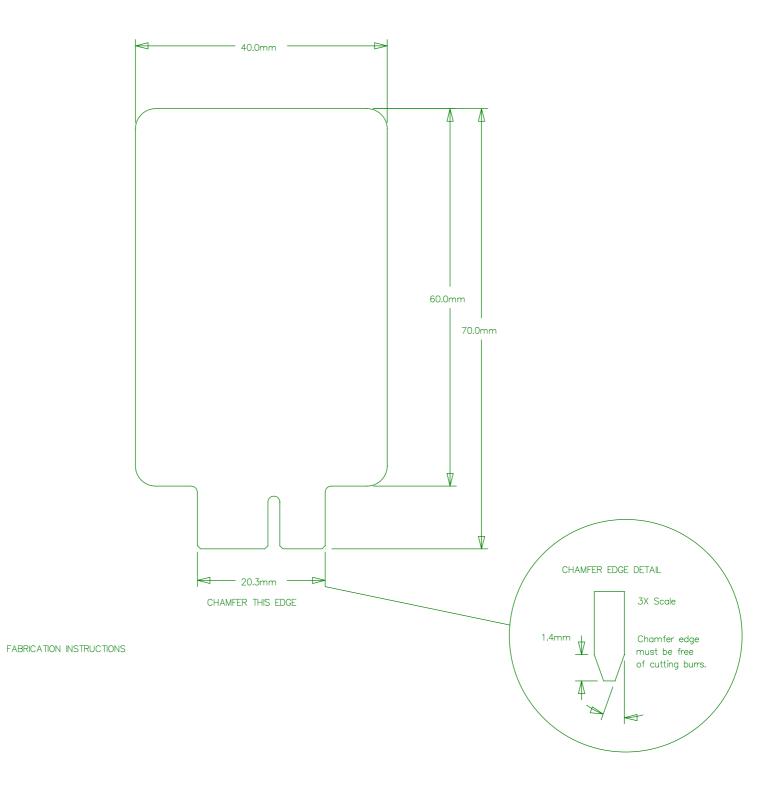
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Project Name
XPCB-056 (XA-SK-UART8)

 Sheet
 Date
 Revision

 A4
 2 AUGUST 2012
 1V1

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C.) Silkscreen

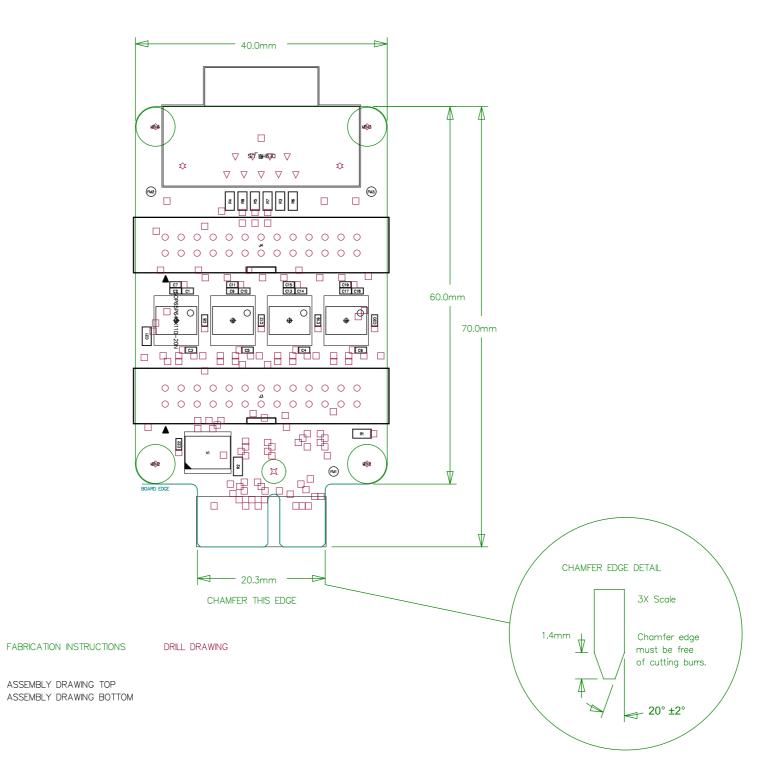
Colour white. Supplier should remove any silkscreen which overhangs pads.

Drill Data

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Symbol	Hit Count	Tool Size	Plated	Hole Type
	125	O.3mm (11.811mil)	PTH	Round
0	52	1mm (39.37mil)	PTH	Round
∇	9	1.2mm (47.244mil)	PTH	Round
¤	1	2.8mm (110.236mil)	NPTH	Round
✡	6	3.2mm (125.984mil)	PTH	Round
	193 Total			

Drill Drawing.





General Info

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Finish

A.) Conductive finish

Plating to be immersion gold.

B.) Soldermask

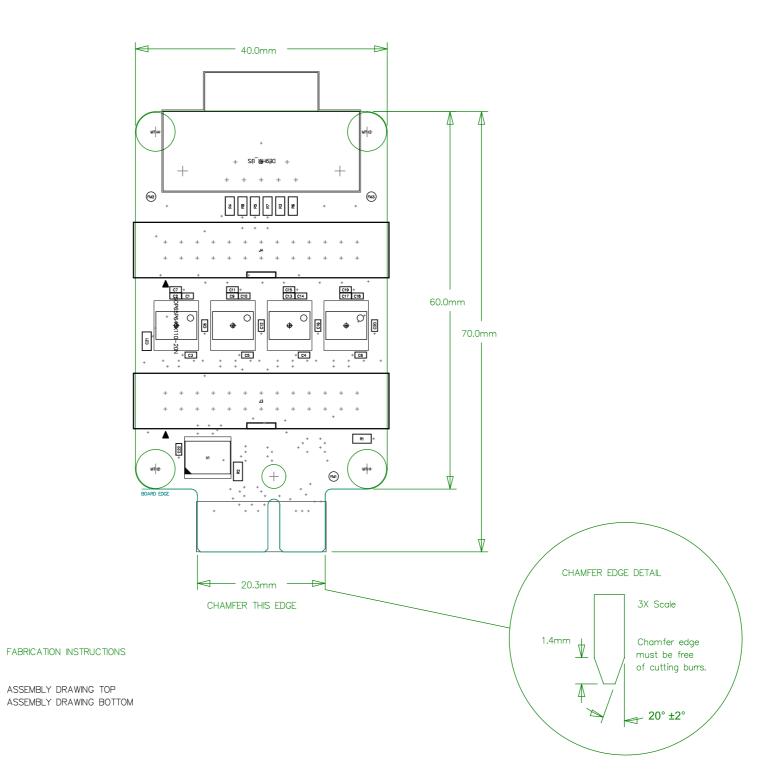
Liquid photo imageable soldermask (green). Pads have not been oversized. Supplier should oversize soldermask on pads to suit process.

C.) Silkscreen

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

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Project Name
XPCB-056 (XA-SK-UART8)

 Sheet
 Date
 Revision

 A4
 2 AUGUST 2012
 1V1

BOM

Multi UART Slice

Source Data From:

XA-SK-UART-8.SchDoc

Project:

XPCB-056_XA-SK-UART-8.PrjPCB

Variant:

None

Report Date: 07/12/2012 13:10:31

Print Date: 07-Dec-12 1:10:35 PM

#	LibRef	Designator	Description	Quantity
1	E-01-0002	R1	RES 10k 0603 1%	1
2	E-01-0008	R2	RES 33R 0603 1%	1
3	E-01-0010	R3, R4	RES 330R 0603 1%	2
4	E-01-0012	R5, R6	RES 0R 0603 1%	2
5	E-02-0002	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C22	MLCC 100nF 0402 X7R 16V	21
6	E-02-0005	C21	MLCC 4.7uF 0603 X5R 6.3V	1
7	E-04-0071	J2	D-Subminiature Connector, 9 pin, Male, Right Angle, US Footprint, with screw locks	1
8	E-04-0073	J3, J4	Male Header, Unshrouded, 26 Way, 2x13, 0.1" Pitch	2
9	E-07-0032	X1	Crystal Oscillator, 3.3V, 1.8432MHz, 7x5mm SMD, Overall Stab. ±50ppm	1
10	E-13-0102	U1, U2, U3, U4	RS232 2 Tx/2 Rx, With Charge Pump, ESD Protected, 250kbps, 3V-5.5V, TSSOP20	4
11	P-01-0011	PROD1, PROD2, PROD3, PROD4	Feet, Nylon, M3, 6mm Standoff	4
Appr	Approved		Notes	40