Cubik innovation
Electronic Design
Prototype
Production

Bristol & Bath Science Park
Dirac Crescent, Emersons Green
Bristol BS16 7FR

Tel: 0117 244 3000 Fax: 0117 244 3001
Web: www.cubik-innovation.co.uk

Project Name	Dongle
Project Number	TRI003
Project File Name	TRI003 Dongle V2.0.PrjPcb
Project Full Path	G:\Active\Projects\TRI003\Working Phase 1\Hardware\TRI003 Dongle
Variant Name	None

Schematic	
Schematic drawn by	Giles Sanders
Schematic/BOM Version	Issue 2.0

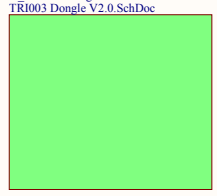
PCB	
PCB drawn by	Giles Sanders
PCB Name	TRI003 Dongle
PCB Version	Issue 2.0

Report Date & Time	3/31/2014 3:57:39 PM
Print Date:	31-Mar-14
Print Time:	3:57:43 PM

PCB CHECKLIST

Test rig fixing holes	NA
BOARD MARKER	NA
TRACE LABEL	NA
FIDUCIALS	NA
PCB THICKNESS [x] mm	1.6mm
PCB DIMENSIONS [x] mm X [x] mm	16mm x 25mm
SCOPE GROUND POINT [NET]	NA
ENCLOSURE	27JAN_con1_2_ASSY.pdf
Mounting holes	2 x 1.6mm
PCB Clearances	NA
PCB outline ref doc	27JAN_con1_2_ASSY.pdf
Logo on silkscreen	NA

U_TRI003 Dongle V0
TRI003 Dongle V2.0.SchDoc



NOTES
N.B. LED Cathodes are identified, assembler to refer to part datasheet for correct orientation

Project Number: TRI003			
Project Name: Dongle			
Title:		Version: Issue 2.0	
Size: A3	Number:1	Drawn by: Giles Sanders	
Date: 3/31/2014	Time: 3:57:45 PM	Sheet 1 of 2	
File: TRI003 Dongle Cover Sheet V2.0.SchDoc			

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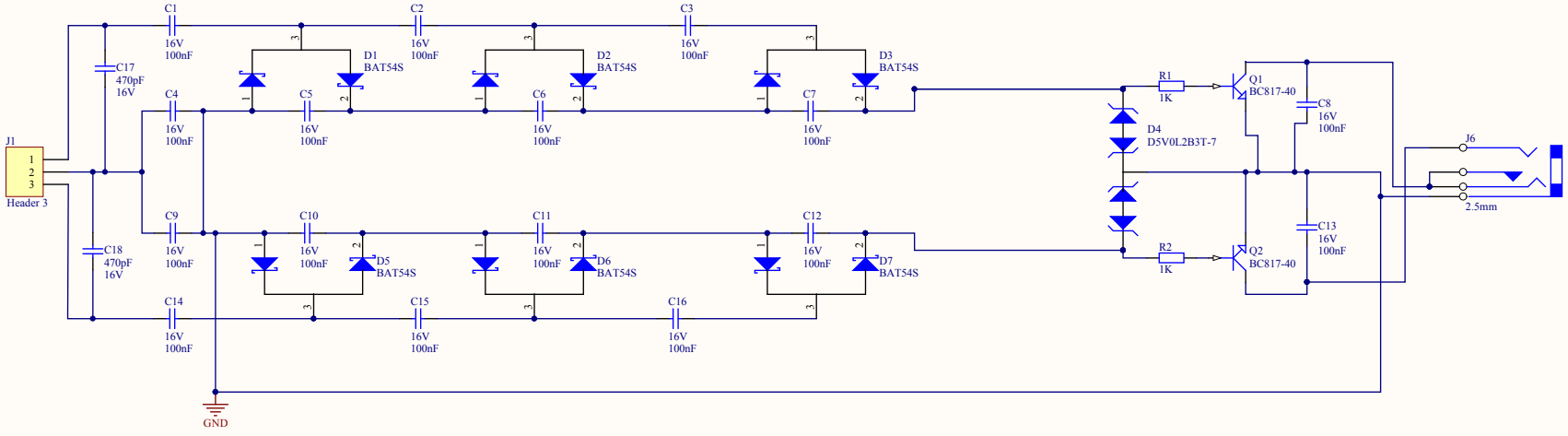

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Project Number: ***TRI003***			
Project Name: ***Dongle***			
Title:		Version: ***Issue 2.0***	
Size: A3	Number:2	Drawn by: ***Giles Sanders***	
Date: 3/31/2014	Time: 3:57:45 PM	Sheet 2 of 2	
File: TRI003 Dongle V2.0.SchDoc			

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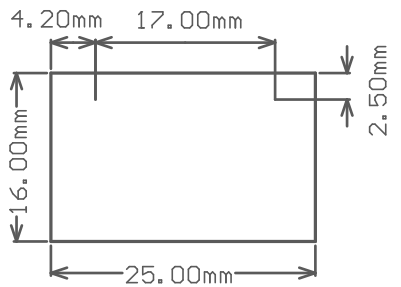

PLACE FMARKS ON PANEL

Manufacturing Notes

Finished Board Thickness 1.6mm
Board to be FR4 Material
Board is 2 layer
Double sided resist in GREEN
1 Ident bottom
Copper weight to be 1 oz finished
All Holes PTH
Please ignore all items outside MECH 1
Finish HASL Lead Free
PLACE FMARKS ON PANEL

Build notes

LED Cathodes are identified, assembler to refer to part datasheet for correct orientation.

Layout by:

Cubik Innovation
Bristol and Bath Science Park
Dirac Crescent
Bristol BS16 7FR

Tel: 0117 244 3000
Email: paul.mullen@cubik-innovation.co.uk

Layer

Mechanical 1
Mechanical 2
Top Overlay

Drawn by	Giles Sanders
Date	30/01/2014
Issue	Issue 2.0
Document Name	TRI003 Dongle V2.0.PcbDoc

Manufacturing Notes

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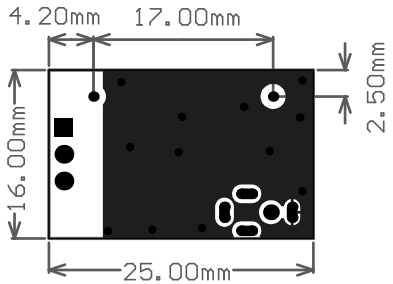
Layer

Mechanical 1
Mechanical 2

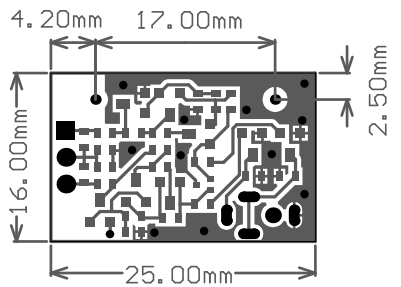
Multi-Layer

Top Layer



PLACE FMARKS ON PANEL

Drawn by	Giles Sanders
Date	30/01/2014
Issue	Issue 2.0
Document Name	TRI003 Dongle V2.0.PcbDoc



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Manufacturing Notes

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PLACE FMARKS ON PANEL

Build notes

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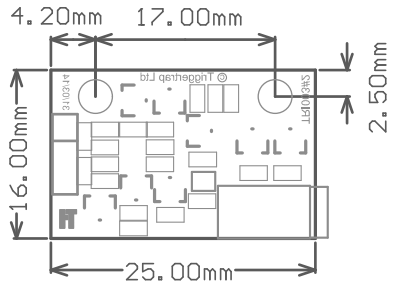
Layer

Mechanical 1
Mechanical 2

Keep-Out Layer

Bottom Layer

Drawn by	Giles Sanders
Date	30/01/2014
Issue	Issue 2.0
Document Name	TRI003 Dongle V2.0.PcbDoc



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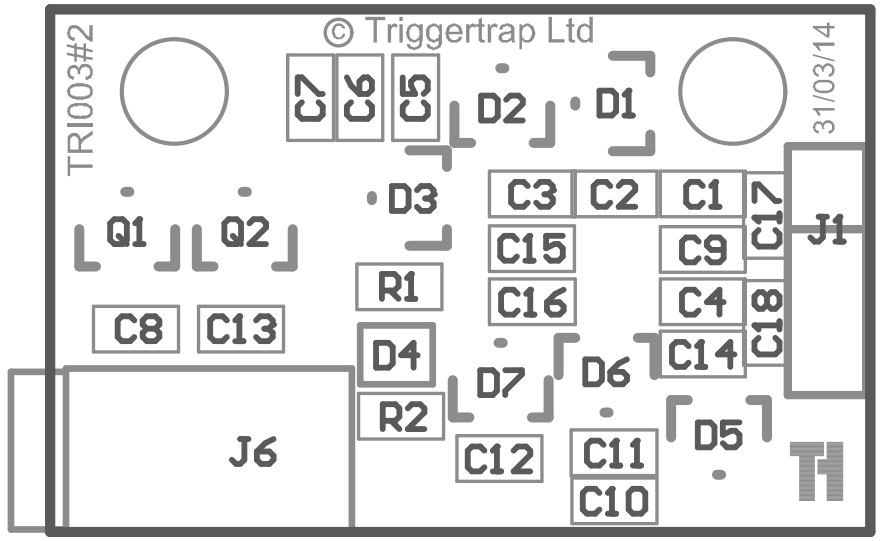
Layer

Mechanical 1
Mechanical 2

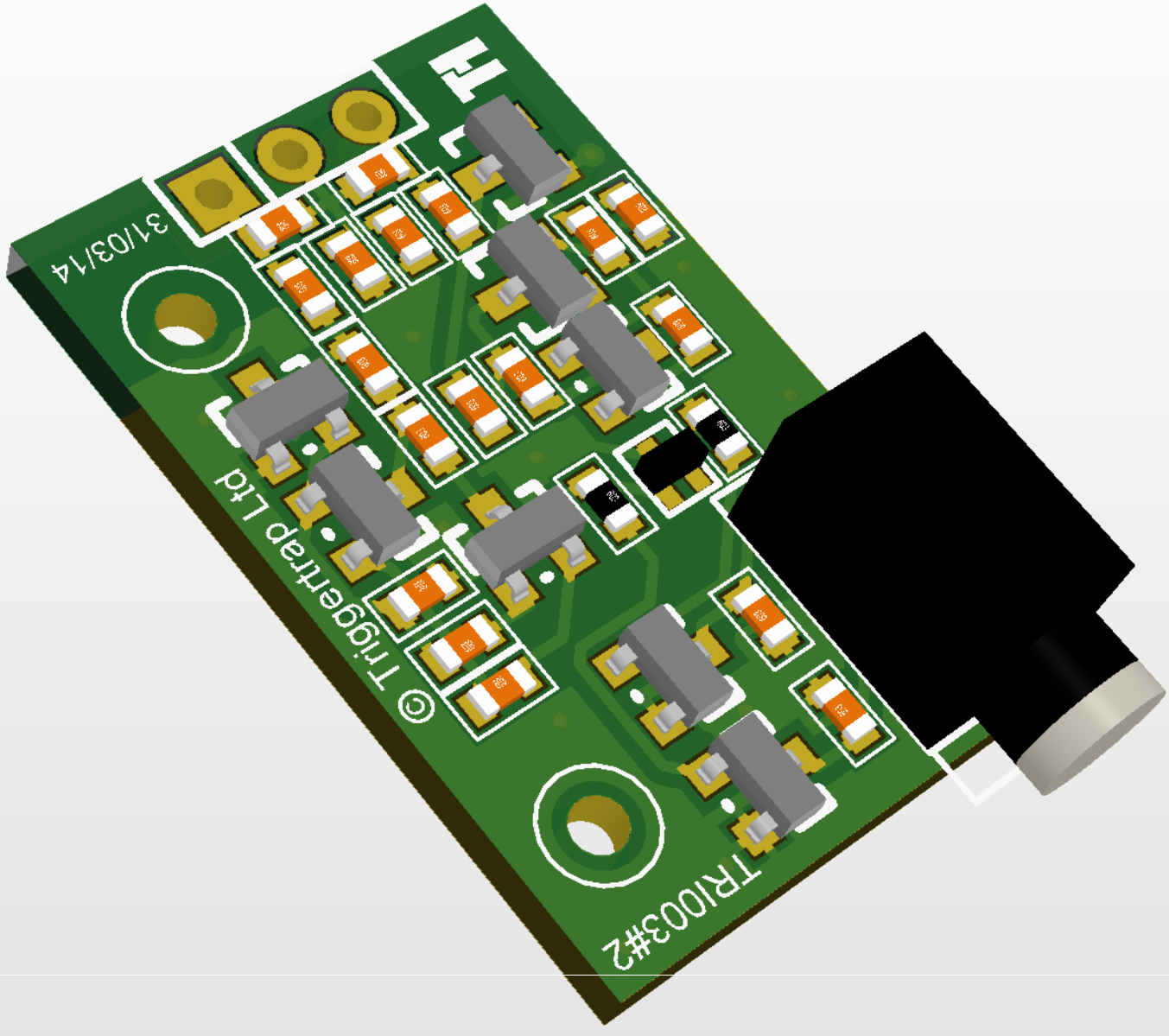
Bottom Overlay

Drawn by	Giles Sanders
Date	30/01/2014
Issue	Issue 2.0
Document Name	TRI003 Dongle V2.0.PcbDoc

Mechanical 1



Bottom Overlay


31/03/14
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TR1003#2

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Project Numbe	TRI003		
Variant:	None		
Creation Date:	3/31/2014		3:57:58 PM
Print Date:	31-Mar-14		3:58:13 PM
BOM VERSION	Issue 2.0		

Value	Voltage	Power	Footprint	Designator	Quantity	Supplier	Part No.	Manufacturer	Manuf Part #
100nF	16V		C0603	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16	16	Rapid	71-1974	TruCap	B0603R104
470pF	16V		C0603	C17, C18	2	FEC	1856319	MULTICOMP	MCCA001133
BAT54S	30V		SOT-23 DIODE - duplicate	D1, D2, D3, D5, D6, D7	6	FEC	1612328	VISHAY SEMICONDUCTOR	BAT54S
D5V0L2B3T-7			SOT523	D4	1	RS	770-4787	DiodesZetex	D5V0L2B3T-7
			sip3	J1	1				
2.5mm			2.5mm socket TRI001	J6	1	FEC	1280745	PRO SIGNAL	PSG01539
BC817-40			SOT-23T	Q1, Q2	2	FEC	1798081	NXP	BC817-40
1K			R0603	R1, R2	2				