

Project Name	Dongle
Project Number	TRI003
Project File Name	TRI003 Dongle V1.0.PrjPcb
Project Full Path	G:\Active\Projects\TRI003\Working Phase 1\TRI003 Dongle V1.0\TRI0
Variant Name	None


Schematic	
Schematic drawn by	Giles Sanders
Schematic/BOM Version	Issue 1.0

PCB	
PCB drawn by	Giles Sanders
PCB Name	TRI003 Dongle
PCB Version	Issue 1.0


Report Date & Time	1/30/2014 1:31:50 PM
Print Date:	30-Jan-14
Print Time:	1:31:54 PM

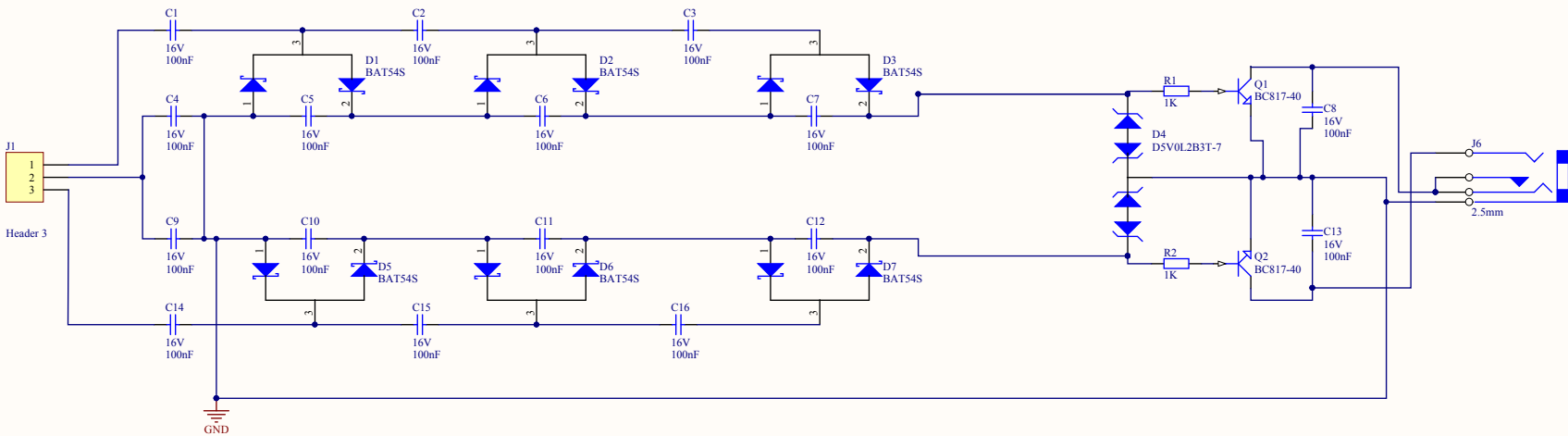
	1	2	3	4	5	6	7	8
A	PCB CHECKLIST							
	Test rig fixing holes	NA						
	BOARD MARKER	NA						
	TRACE LABEL	NA						
	FIDUCIALS	NA						
	PCB THICKNESS [x] mm	1.6mm						
B	PCB DIMENSIONS [x] mm X [x] mm	16mm x 25mm						
	SCOPE GROUND POINT [NET]	NA						
	ENCLOSURE	27JAN_con1_2_ASSY.pdf						
	Mounting holes	2 x 1.6mm						
C	PCB Clearances	NA						
	PCB outline ref doc	27JAN_con1_2_ASSY.pdf						
	Logo on silkscreen	NA						
D								
	1	2	3	4	5	6	7	8

U: TR1003 Dongle V0
TR1003 Dongle V1.0.SchDoc




NOTES			
N.B. LED Cathodes are identified, assembler to refer to part datasheet for correct orientation			
Project Number: TR1003			
Project Name: Dongle			
Title:		Version: Issue 1.0	
Size: A3	Number: 1	Drawn by: Giles Sanders	
Date: 1/30/2014		Time: 1:31:57 PM	
File: TR1003 Dongle Cover Sheet V1.0.SchDoc		Sheet 1 of 2	

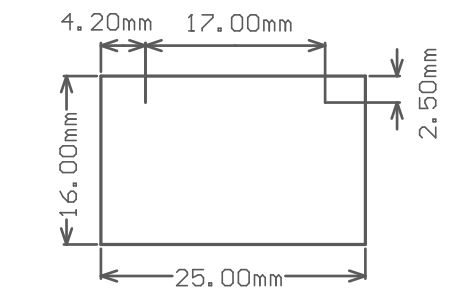




NOTES			
N.B. LED Cathodes are identified, assembler to refer to part datasheet for correct orientation			
Project Number: TRI003			
Project Name: Dongle			
Title:			Version: Issue 1.0
Size: A3	Number: 2	Drawn by: Giles Sanders	
Date: 1/30/2014	Time: 1:31:57 PM	Sheet 2 of 2	
File: TRI003 Dongle V1.0.SchDoc			







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: Copyright 2013

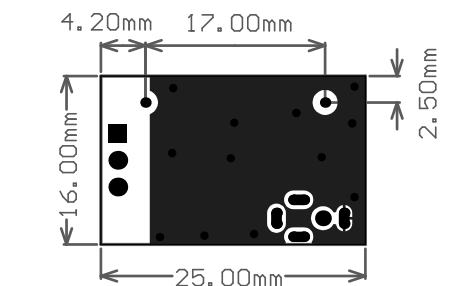
Cubik Innovation
Bristol and Bath Science Park
Dirac Crescent
Bristol BS16 7FR

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 1.0
Document Name	TRI003 Dongle V1.0.PcbDoc



Manufacturing Notes

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Email: paul.mullen@cubik-innovation.co.uk

Layer

Mechanical 1
 Mechanical 2

Multi-Layer

Top Layer

Drawn by

Giles Sanders

Date

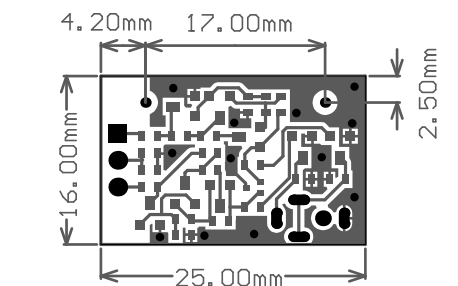
30/01/2014

Issue

Issue 1.0

Document Name

TRI003 Dongle V1.0.PcbDoc



PLACE FMARKS ON PANEL

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Layer

Mechanical 1
 Mechanical 2

Keep-Out Layer

Bottom Layer

Drawn by

Giles Sanders

Date

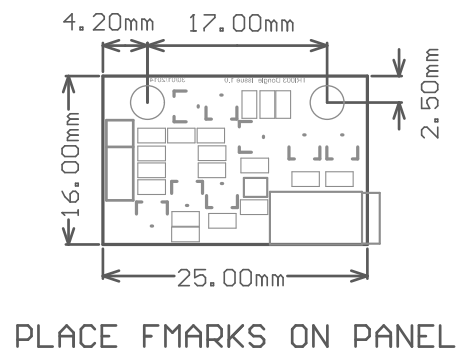
30/01/2014

Issue

Issue 1.0

Document Name

TRI003 Dongle V1.0.PcbDoc



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Build notes

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Layer

Mechanical 1
 Mechanical 2

Bottom

Drawn by

Giles Sanders

Date

30/01/2014

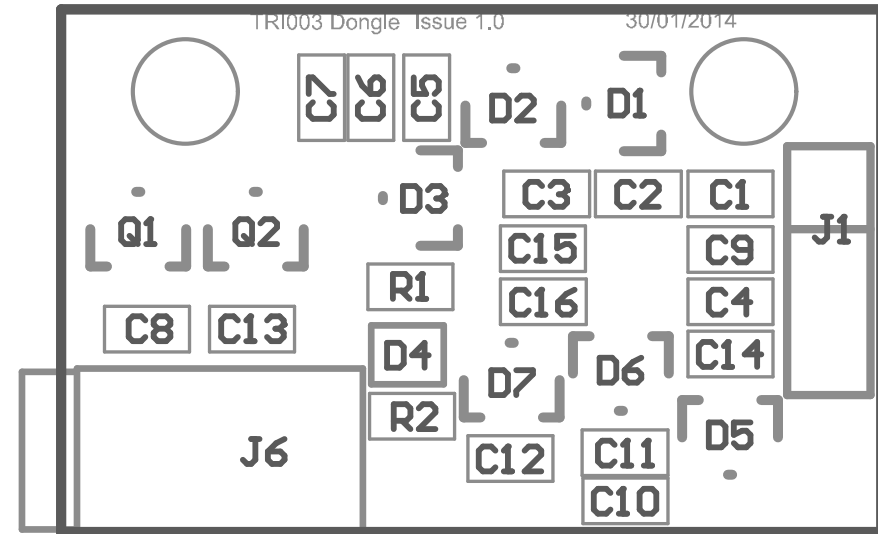
Issue

Issue 1.0

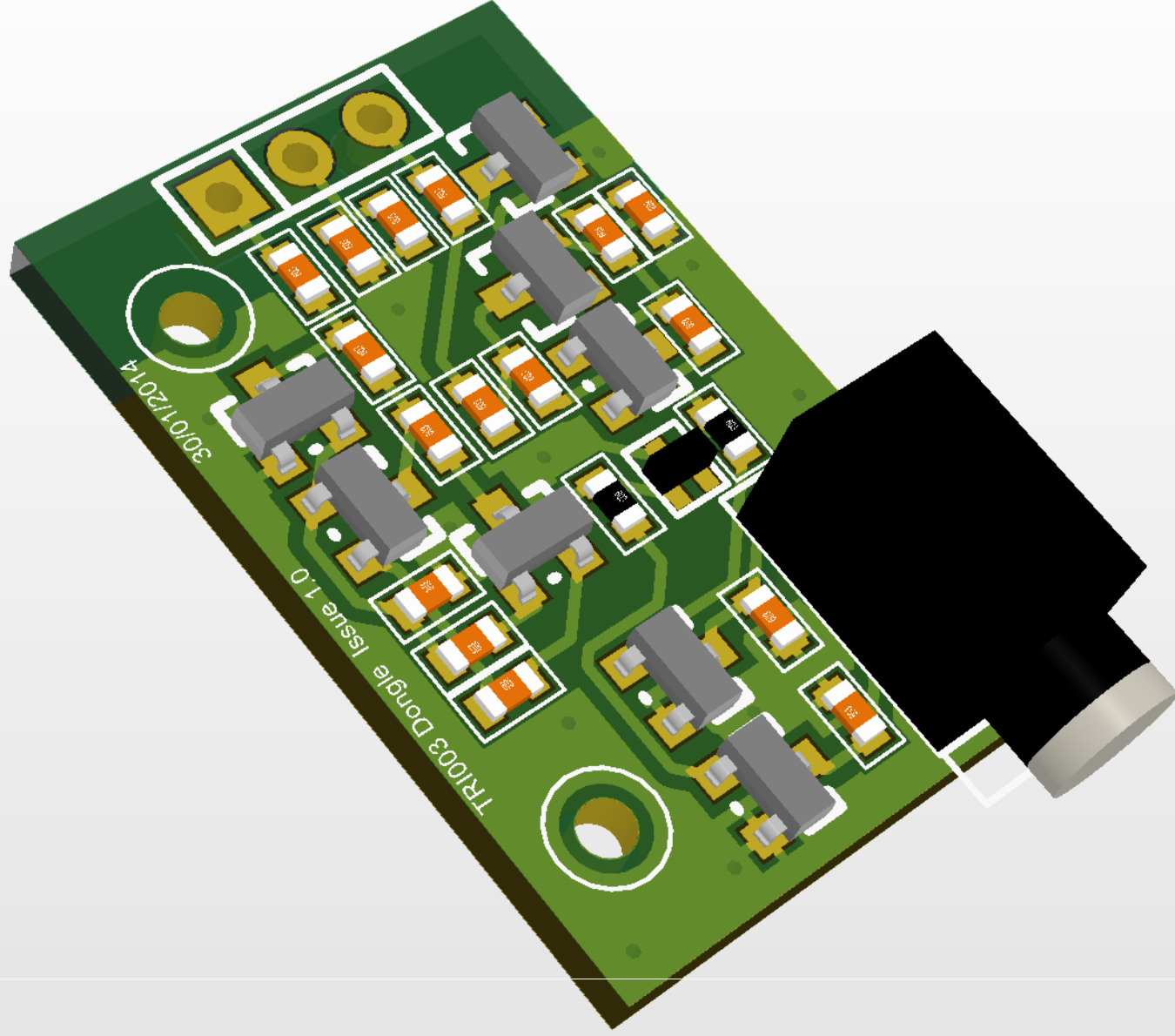
Document Name

TRI003 Dongle V1.0.PcbDoc

Mechanical 1



Bottom Overlay





- Electronic Design
- Prototype
- Production

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

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Web: www.cubik-innovation.co.uk

Project Number TRI003

Variant: None

Creation Date: 1/30/2014 1:32:07 PM

Print Date: 30-Jan-14 1:32:24 PM

BOM VERSION Issue 1.0

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			
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							