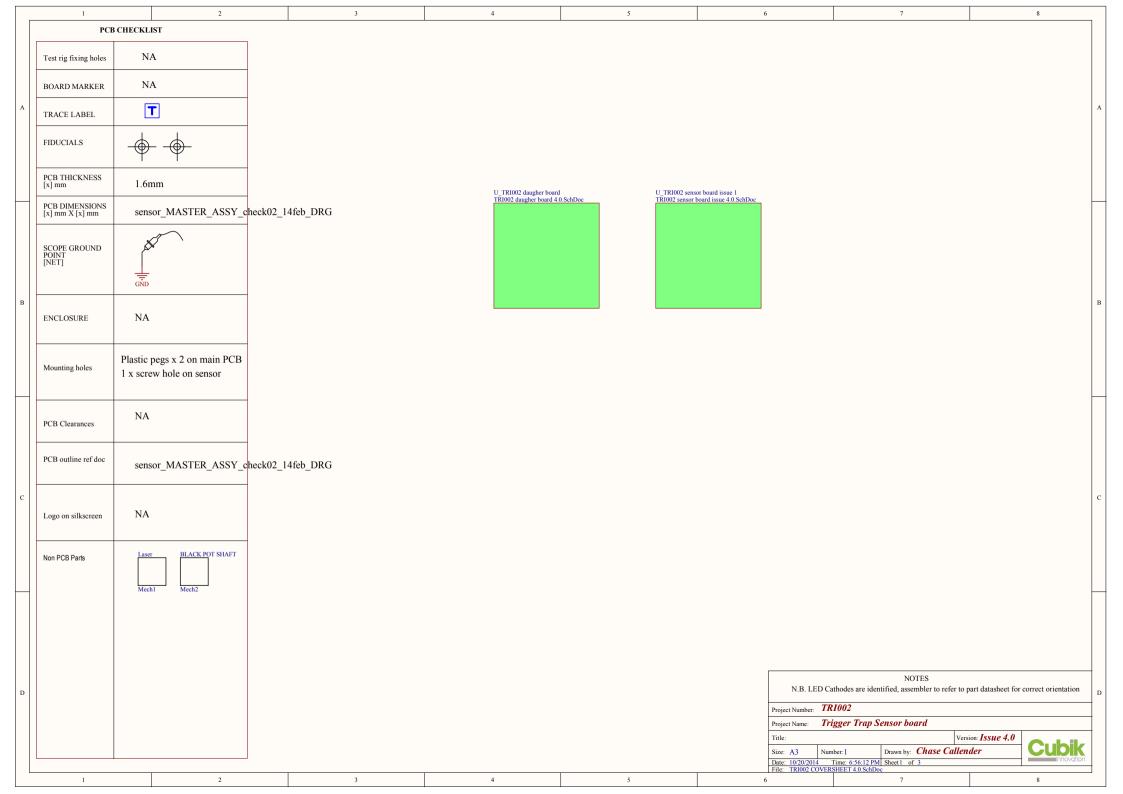


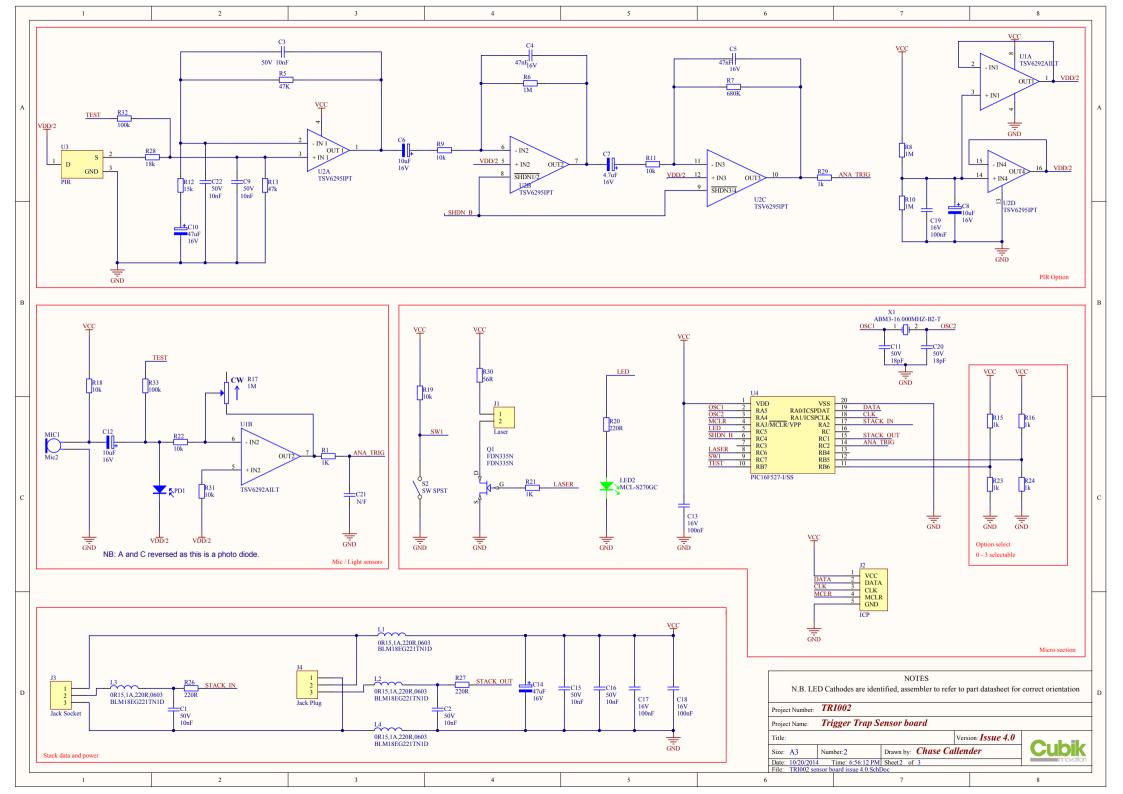
Project Name	Trigger Trap Sensor board
Project Number	TRI002
Project File Name	TRI002 sensor board Issue 4.0.PrjPCB
Project Full Path	G:\Active\Projects\TRI002\TRI002-SensorBoard\Issue 4.0\TRI002 sens
Variant Name	None

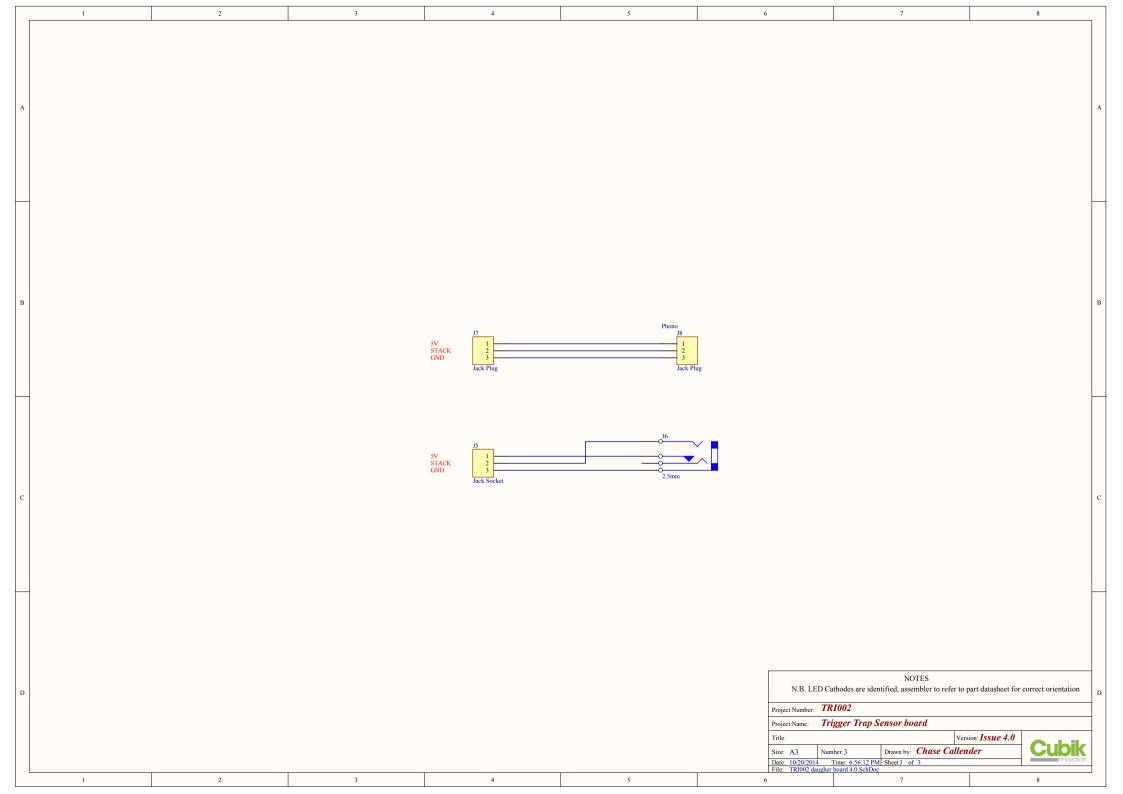
Schematic	
Schematic drawn by	Chase Callender
Schematic/BOM Version	Issue 4.0

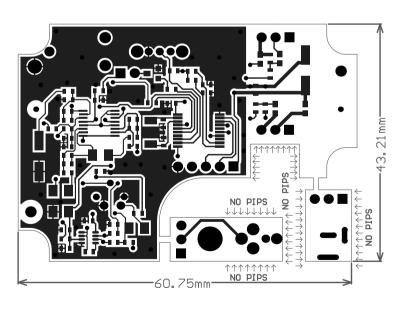
PCB	
PCB drawn by	Paul Mullen
PCB Name	Sensor board
PCB Version	Issue 4.0

Report Date & Time	10/20/2014 6:56:05 PM
Print Date:	20-Oct-14
Print Time:	6:56:08 PM









Manufacturing Notes

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

Build notes

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

Layout by:

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Tel: 0117 244 3000

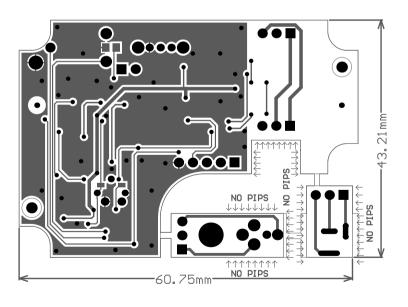
Email: paul.mullen@cubik-innovation.co.uk

Layer

Mechanical 1 Mechanical 2 Multi-Layer

Top Layer

Drawn by	Paul Mullen
Date	20/10/2014
Issue	Issue 4.0
Document Name	TRI002_Sensor_issue 4.0.PcbDoc



Manufacturing Notes

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

Build notes

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

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Tel: 0117 244 3000

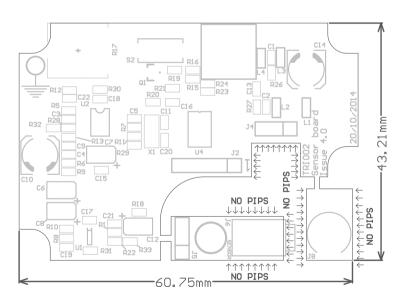
Email: paul.mullen@cubik-innovation.co.uk

Layer

Mechanical 1 Mechanical 2 Keep-Out Layer

Bottom Layer

Drawn by	Paul Mullen
Date	20/10/2014
Issue	Issue 4.0
Document Name	TRI002_Sensor_issue 4.0.PcbDoc



Manufacturing Notes

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

Build notes

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

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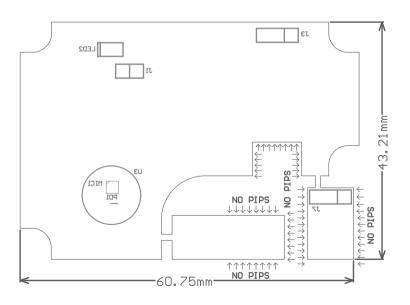
Tel: 0117 244 3000

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

Layer

Mechanical 1 Mechanical 2 Top Overlay

Drawn by	Paul Mullen
Date	20/10/2014
Issue	Issue 4.0
Document Name	TRI002_Sensor_issue 4.0.PcbDoc



Manufacturing Notes

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

Build notes

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

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

Layer

Mechanical 1 Mechanical 2

Bottom Overlay

Drawn by	Paul Mullen
Date	20/10/2014
Issue	Issue 4.0
Document Name	TRI002_Sensor_issue 4.0.PcbDoc



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			Production Tel: 0117 244 3000 Fax: 0117 244 3001 Web: www.cubik-innovation.co.uk								
		inn	ovatio								
Drainet	TRI002										
		-it -f TD1000 -		4.0							
Variant:	10/20/2014		sensor board lss	ue 4.0							
Print Date		+	6:56:22 PM 6:56:42 PM								
	Issue 4.	n	0.30.42 PIVI								
Danimot	Fitted	Value	Voltage	Footprint	Quantity	Supplier	Part No.	Qty to Ord	Manufactı	ı Manuf Part #	
C1, C2, C15, C16, C22	Fitted	10nF	50V	C0603	5	Rapid	71-1964		MULTICOM P	MCCA000238	
C11, C20	Fitted	18pF	50V	C0603	2	FEC	1414620		KEMET	C0603C180J5 GAC	
C13, C17, C18, C19	Fitted	100nF	16V	C0603	4	Rapid	71-1974		TruCap	B0603R104	
C14	Fitted	47uF	16V	CAP6.8/6.8	1	FEC	8823200		NICHICON	UUT1C470MCL 1GS	
C21	Fitted	N/F		C0603	1						
C8	Fitted	10uF	16V	CASE_A	1	FEC	1754182		VISHAY SPRAGUE		
J2	Fitted	ICP		ICP	1	Rapid	22-0510		TruConnec t	22-0510	
J4	Fitted			3 way sip RA	1						
J5	Fitted			SIP3	1						
J6	Fitted	2.5mm		2.5mm socket TRI001	1	FEC	1280745		PRO SIGNAL	PSG01539	
J8	Fitted	Phono		DC_JACK_PCB_MOU	1	Rapid	50-1493		BKL	1107002 EAN- 13: 205000022299 3	
L1, L2, L3, L4	Fitted	BLM18EG221 TN1D		L0603	4	FEC	1515717		MURATA	BLM18EG221T N1D	
LED2	Fitted	MCL-S270GC		LED, GREEN, 0805	1	FEC	1581242		MULTICOM P	MCL-S270GC	
Mech1	Fitted	Laser		NON PCR PART	1	http://www.aliexpr ess.com/item/100- pcs-mini-650nm- 5mW-3V-Laser-Dot-	650nm 5mW 3V - Laser Dot Diode		NΔ	NΔ	

Mech1	Fitted	Laser		NON PCB PART	1	ess.com/item/100- pcs-mini-650nm- 5mW-3V-Laser-Dot- Diode-Module-Head- WL- Red/896433799.htm		NA	NA	
Mech2	Fitted	BLACK POT SHAFT		NON PCB PART	1	Rapid	67-0480	Iskra	88 131 387	
PD1	Fitted	VEMD2520X0 1		DOME LENS	1		1870779	VISHAY	VEMD2520X01	
Q1	Fitted	FDN335N		SOT-23	1	FEC	9845348RL	FAIRCHILD SEMICOND UCTOR	FDN335N	
R1, R15, R16, R21	Fitted	1K		R0603	4					
R17	Fitted	PNZ10ZA 1M		preset_lskra square	1	Rapid	67-0478	Iskra	PNZ10ZA 1M	
R19, R22, R31	Fitted	10k		R0603	3					
R20, R26, R27	Fitted	220R		R0603	3					
R30	Fitted	56R		R0603	1					
R33	Fitted	100k		R0603	1					
R8, R10	Fitted	1M		R0603	2					
S2	Fitted	MFP113D		MFP113D	1	RS	702-3634	KNITTER- SWITCH	MFP113D	
U1	Fitted	TSV6292AILT		SOT23 8 pin	1	FEC	2067873	STMICROE LECTRONI CS	TSV6292AILT	
U4	Fitted	PIC16F527- I/SS	5V	SSOP20	1	FEC	2301100	MICROCHIF	PIC16F527- VSS	
X1	Fitted	ABM3- 16.000MHZ- B2-T		ABS10	1	FEC	1611806	ABRACON	ABM3- 16.000MHZ-B2- T	
C10	Not Fitted	47uF	16V	CAP6.8/6.8	0	FEC	8823200	NICHICON	UUT1C470MCL 1GS	
C3, C9	Not Fitted	10nF	50V	C0603	0	Rapid	71-1964	MULTICON P	MCCA000238	
C4, C5	Not Fitted	47nF	16V	C0603	0	FEC	432027	YAGEO	CC0603KRX7R 7BB473	
C6, C12	Not Fitted	10uF	16V	CASE_A	0	FEC	1754182	VISHAY SPRAGUE	293D106X901 6A2TE3	
C7	Not Fitted	4.7uF	16V	CASE_A	0	FEC	1754181	VISHAY SPRAGUE	293D475X901	
J1	Not Fitted	SIP2		SIP2	0					
J3, J7	Not Fitted	N/F		sip3	0					
MIC1	Not Fitted	AOM-4542P- R		ECM	0	FEC	1193029	PROJECTS UNLIMITED		
R12	Not Fitted	15k		R0603	0					
R23, R24,	Not Fitted	1k		R0603	0					

		r						OINCIIVIITED		
R12	Not Fitted	15k		R0603	0					
R23, R24, R29	Not Fitted	1k		R0603	0					
R28	Not Fitted	18k		R0603	0					
R32	Not Fitted	100k		R0603	0					
R5, R13	Not Fitted	47K		R0603	0					
R6	Not Fitted	1M		R0603	0					
R7	Not Fitted	680K		R0603	0					
R9, R11, R18	Not Fitted	10k		R0603	0					
U2	Not Fitted	TSV6295IPT		TSSOP16	0	FEC	1842580	STMICROE LECTRONI CS	TSV6295IPT	
U3	Not Fitted	PIR	2V - 12V	PIR_TO-5	0	FEC	2293504	EXCELITA S TECH	LHI_968	



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Manufactu	Manuf Part #	
MULTICOM P	MCCA000238	
NICHICON	UUT1C470MCL 1GS	
TruCap	B0603R104	
YAGEO	CC0603KRX7R 7BB473	
VISHAY	293D106X901	
SPRAGUE	6A2TE3	
VISHAY	293D475X901	
SPRAGUE	6A2TE3	
TruConnec t	22-0510	

Project	TRI002	•									
Variant:	PIR Variant	t of TRI002 sens	or board Issue 4.0								
Creation	10/20/2014	1	6:57:04 PM								
Print Date	20-Oct-14		6:58:02 PM								
BOM V	lssue 4.	0									
Designat or	Fitted	Value	Voltage	Footprint	Quantity	Supplier	Part No.	Qty to Ord	l Manufactu	ı Manuf Part #	
C1, C2, C3, C9, C15, C16, C22	Fitted	10nF	50V	C0603	7	Rapid	71-1964		MULTICOM P	MCCA000238	
C10, C14	Fitted	47uF	16V	CAP6.8/6.8	2	FEC	8823200		NICHICON	UUT1C470MCL 1GS	
C13, C17, C18, C19	Fitted	100nF	16V	C0603	4	Rapid	71-1974		TruCap	B0603R104	
C4, C5	Fitted	47nF	16V	C0603	2	FEC	432027		YAGEO	CC0603KRX7R 7BB473	
C6, C8	Fitted	10uF	16V	CASE_A	2	FEC	1754182		VISHAY SPRAGUE	293D106X901 6A2TE3	
C7	Fitted	4.7uF	16V	CASE_A	1	FEC	1754181		VISHAY SPRAGUE	293D475X901 6A2TE3	
J2	Fitted	ICP		ICP	1	Rapid	22-0510		TruConnec t	22-0510	
J4	Fitted			3 way sip RA	1						
J5	Fitted			SIP3	1						
J6	Fitted	2.5mm		2.5mm socket TRI001	1	FEC	1280745		PRO SIGNAL	PSG01539	
J8	Fitted	Phono		DC_JACK_PCB_MOU NT	1	Rapid	50-1493		BKL	1107002 EAN- 13: 205000022299 3	
L1, L2, L3, L4	Fitted	BLM18EG221 TN1D		L0603	4	FEC	1515717		MURATA	BLM18EG221T N1D	
LED2	Fitted	MCL-S270GC		LED, GREEN, 0805	1	FEC	1581242		MULTICOM P	MCL-S270GC	
R12	Fitted	15k		R0603	1						
R20, R26,	Fitted	220R		R0603	3						

LLDL	ritted	MOL OLI GOO		LLD, OIALLIA, 0000	•	1 20	1001212	Р	WIOL OLI GOO	
R12	Fitted	15k		R0603	1					
R20, R26, R27	Fitted	220R		R0603	3					
R23, R24, R29	Fitted	1k		R0603	3					
R28	Fitted	18k		R0603	1					
R32	Fitted	100k		R0603	1					
R5, R13	Fitted	47K		R0603	2					
R6, R8, R10	Fitted	1M		R0603	3					
R7	Fitted	680K		R0603	1					
R9, R11	Fitted	10k		R0603	2					
U2	Fitted	TSV6295IPT		TSSOP16	1	FEC	1842580	CS	TSV6295IPT	
U3	Fitted	PIR	2V - 12V	PIR_TO-5	1	FEC	2293504	EXCELITA S TECH	LHI_968	
U4	Fitted	PIC16F527- VSS	5V	SSOP20	1	FEC	2301100	MICROCH	VSS	
C11, C20	Not Fitted	18pF	50V	C0603	0	FEC	1414620	KEMET	C0603C180J5 GAC	
C12	Not Fitted	10uF	16V	CASE_A	0	FEC	1754182	VISHAY SPRAGUE	293D106X901 6A2TE3	
C21	Not Fitted	NF		C0603	0					
J1	Not Fitted	SIP2		SIP2	0					
J3, J7	Not Fitted	NF		sip3	0					
Mech1	Not Fitted	Laser		NON PCB PART	0	http://www.aliexpr ess.com/item/100- pcs-mini-650nm- 5mW-3V-Laser-Dot- Diode-Module-Head- WL- Red/896433799.htm	Module Head WL Red	NA	NA	
Mech2	Not Fitted	BLACK POT SHAFT		NON PCB PART	0	Rapid	67-0480	Iskra	88 131 387	
MIC1	Not Fitted	AOM-4542P- R		ECM	0	FEC	1193029	PROJECT UNLIMITE		
PD1	Not Fitted	VEMD2520X0		DOME LENS	0		1870779	VISHAY	VEMD2520X01	
	Not Fitted	FDN335N		SOT-23	0	FEC	9845348RL	FAIRCHIL SEMICON UCTOR	D FDN335N	
R1, R15, R16, R21	Not Fitted	1K		R0603	0					
R17	Not Fitted	PNZ10ZA 1M		preset_lskra square	0	Rapid	67-0478	Iskra	PNZ10ZA 1M	
R18, R19, R22, R31	Not Fitted	10k		R0603	0					
R30	Not Fitted	56R		R0603	0					

	. 10 () 1110 0		p. 000to.u.a. 0 qua. 0	•	. 	0. 00	10.44 0		
R18, R19, R22, R31	Not Fitted	10k	R0603	0					
R30	Not Fitted	56R	R0603	0					
R33	Not Fitted	100k	R0603	0					
S2	Not Fitted	MFP113D	MFP113D	0	RS	702-3634	KNITTER- SWITCH	MFP113D	
U1	Not Fitted	TSV6292AILT	SOT23 8 pin	0	FEC	2067873	STMICROE LECTRONI CS	TSV6292AILT	
X1	Not Fitted	ABM3- 16.000MHZ- B2-T	ABS10	0	FEC	1611806	ABRACON	ABM3- 16.000MHZ-B2- T	



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Project	TRI002									
Variant:	SOUND V	ariant of TRI002	sensor board lss	ue 4.0						
Creation I	10/20/201	4	6:58:24 PM							
Print Date	20-Oct-14	1	6:59:22 PM							
BOM V	Issue 4	.0								
or	Fitted	Value	Voltage	Footprint	Quantity	Supplier	Part No.	Qty to Ord	Manufactu	Manuf Part #
C1, C2, C15, C16, C22	Fitted	10nF	50V	C0603	5	Rapid	71-1964		MULTICOM P	MCCA000238
C13, C17, C18, C19	Fitted	100nF	16V	C0603	4	Rapid	71-1974		TruCap	B0603R104
C14	Fitted	47uF	16V	CAP6.8/6.8	1	FEC	8823200		NICHICON	UUT1C470MCL 1GS
C21	Fitted	N/F		C0603	1					
C8, C12	Fitted	10uF	16V	CASE_A	2	FEC	1754182		VISHAY SPRAGUE	293D106X901 6A2TE3
J2	Fitted	ICP		ICP	1	Rapid	22-0510		TruConnec t	22-0510
J4	Fitted			3 way sip RA	1					
J5	Fitted			SIP3	1					
J6	Fitted	2.5mm		2.5mm socket TRI001	1	FEC	1280745		PRO SIGNAL	PSG01539
J8	Fitted	Phono		DC_JACK_PCB_MOU	1	Rapid	50-1493		BKL	1107002 EAN- 13: 205000022299 3
L1, L2, L3, L4	Fitted	BLM18EG221 TN1D		L0603	4	FEC	1515717		MURATA	BLM18EG221T N1D
LED2	Fitted	MCL-S270GC		LED, GREEN, 0805	1	FEC	1581242		MULTICOM P	MCL-S270GC
Mech2	Fitted	BLACK POT SHAFT		NON PCB PART	1	Rapid	67-0480		Iskra	88 131 387
MIC1	Fitted	AOM-4542P- R		ECM	1	FEC	1193029		PROJECTS UNLIMITED	AOM-4542P-R
R1, R16, R23	Fitted	1K		R0603	3					

MIC1	Fitted	R		ECM	1	FEC	1193029	UNLIMITED	AOM-4542P-R
R1, R16, R23	Fitted	1K		R0603	3				
R17	Fitted	PNZ10ZA 1M		preset_lskra square	1	Rapid	67-0478	lskra	PNZ10ZA 1M
R18, R22, R31	Fitted	10k		R0603	3				
R20, R26, R27	Fitted	220R		R0603	3				
R33	Fitted	100k		R0603	1				
R8, R10	Fitted	1M		R0603	2				
U1	Fitted	TSV6292AILT		SOT23 8 pin	1	FEC	2067873	CS	TSV6292AILT
U4	Fitted	PIC16F527- I/SS	5V	SSOP20	1	FEC	2301100	MICROCHIP	PIC16F527- VSS
C10	Not Fitted	47uF	16V	CAP6.8/6.8	0	FEC	8823200	NICHICON	UUT1C470MCL 1GS
C11, C20	Not Fitted	18pF	50V	C0603	0	FEC	1414620	KEMET	C0603C180J5 GAC
C3, C9	Not Fitted	10nF	50V	C0603	0	Rapid	71-1964	MULTICOM P	MCCA000238
C4, C5	Not Fitted	47nF	16V	C0603	0	FEC	432027	YAGEO	CC0603KRX7R 7BB473
C6	Not Fitted	10uF	16V	CASE_A	0	FEC	1754182	VISHAY SPRAGUE	293D106X901 6A2TE3
C7	Not Fitted	4.7uF	16V	CASE_A	0	FEC	1754181	VISHAY SPRAGUE	293D475X901 6A2TE3
J1	Not Fitted	SIP2		SIP2	0				
J3, J7	Not Fitted	NF		sip3	0				
Mech1	Not Fitted	Laser		NON PCB PART	0	http://www.aliexpr ess.com/item/100- pcs-mini-650nm- 5mW-3V-Laser-Dot- Diode-Module-Head- WL- Red/896433799.htm	Module Head WL Red	NA	NA
PD1	Not Fitted	VEMD2520X0		DOME LENS	0		1870779	VISHAY	VEMD2520X01
Q1	Not Fitted	FDN335N		SOT-23	0	FEC	9845348RL	FAIRCHILD SEMICOND UCTOR	FDN335N
R12	Not Fitted	15k		R0603	0				
R15, R21, R24, R29	Not Fitted	1k		R0603	0				
R28	Not Fitted	18k		R0603	0				
R30	Not Fitted	56R		R0603	0				
R32	Not Fitted	100k		R0603	0				
R5, R13	Not Fitted	47K		R0603	0				
		44.4		D0000	_				

R32	Not Fitted	100k		R0603	0						
roz	Not Fitted	TOOK		R0003	U						
R5, R13	Not Fitted	47K		R0603	0						
R6	Not Fitted	1M		R0603	0						
R7	Not Fitted	680K		R0603	0						
R9, R11, R19	Not Fitted	10k		R0603	0						
S2	Not Fitted	MFP113D		MFP113D	0	RS	702-3634		NITTER- WITCH	MFP113D	
U2	Not Fitted	TSV6295IPT		TSSOP16	0	FEC	1842580			TSV6295IPT	
U3	Not Fitted	PIR	2V - 12V	PIR_TO-5	0	FEC	2293504		XCELITA TECH	LHI_968	
X1	Not Fitted	ABM3- 16.000MHZ- B2-T		ABS10	0	FEC	1611806	A		ABM3- 16.000MHZ-B2- T	



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Project	TRI002	·								
Variant:	LIGHT Var	iant of TRI002 se	ensor board Issu	ue 4.0						
Creation	I 10/20/201	4	6:59:44 PM							
Print Date	20-Oct-14		7:00:42 PM							
BOM V	/ Issue 4.0									
Designat or	Fitted	Value	Voltage	Footprint	Quantity	Supplier	Part No.	Qty to Ord	Manufactu	Manuf Part #
C1, C2, C15, C16, C22	Fitted	10nF	50V	C0603	5	Rapid	71-1964		MULTICOM P	MCCA000238
C13, C17, C18, C19	Fitted	100nF	16V	C0603	4	Rapid	71-1974		TruCap	B0603R104
C14	Fitted	47uF	16V	CAP6.8/6.8	1	FEC	8823200		NICHICON	UUT1C470MCL 1GS
C21	Fitted	N/F		C0603	1					
C8	Fitted	10uF	16V	CASE_A	1	FEC	1754182		VISHAY SPRAGUE	293D106X901 6A2TE3
J2	Fitted	ICP		ICP	1	Rapid	22-0510		TruConnec t	22-0510
J4	Fitted			3 way sip RA	1					
J5	Fitted			SIP3	1					
J6	Fitted	2.5mm		2.5mm socket TRI001	1	FEC	1280745		PRO SIGNAL	PSG01539
J8	Fitted	Phono		DC_JACK_PCB_MOU	1	Rapid	50-1493		BKL	1107002 EAN- 13: 205000022299 3
L1, L2, L3, L4	Fitted	BLM18EG221 TN1D		L0603	4	FEC	1515717		MURATA	BLM18EG221T N1D
LED2	Fitted	MCL-S270GC		LED, GREEN, 0805	1	FEC	1581242		MULTICOM P	MCL-S270GC
Mech2	Fitted	BLACK POT SHAFT		NON PCB PART	1	Rapid	67-0480		Iskra	88 131 387
PD1	Fitted	VEMD2520X0 1		DOME LENS	1		1870779		VISHAY	VEMD2520X01
R1, R15, R24	Fitted	1K		R0603	3					

PD1	Fitted	1		DOME LENS	1		1870779	VISHAY	VEMD2520X01
R1, R15, R24	Fitted	1K		R0603	3				
R17	Fitted	PNZ10ZA 1M		preset_lskra square	1	Rapid	67-0478	Iskra	PNZ10ZA 1M
R19, R22, R31	Fitted	10k		R0603	3				
R20, R26, R27	Fitted	220R		R0603	3				
R33	Fitted	100k		R0603	1				
R8, R10	Fitted	1M		R0603	2				
S2	Fitted	MFP113D		MFP113D	1	RS	702-3634	KNITTER- SWITCH	MFP113D
U1	Fitted	TSV6292AILT		SOT23 8 pin	1	FEC	2067873	STMICROE LECTRONI CS	TSV6292AILT
U4	Fitted	PIC16F527- I/SS	5V	SSOP20	1	FEC	2301100	MICROCHIP	PIC16F527- VSS
C10	Not Fitted	47uF	16V	CAP6.8/6.8	0	FEC	8823200	NICHICON	UUT1C470MCL 1GS
C11, C20	Not Fitted	18pF	50V	C0603	0	FEC	1414620	KEMET	C0603C180J5 GAC
C3, C9	Not Fitted	10nF	50V	C0603	0	Rapid	71-1964	MULTICOM P	MCCA000238
C4, C5	Not Fitted	47nF	16V	C0603	0	FEC	432027	YAGEO	CC0603KRX7R 7BB473
C6, C12	Not Fitted	10uF	16V	CASE_A	0	FEC	1754182	VISHAY SPRAGUE	293D106X901 6A2TE3
C7	Not Fitted	4.7uF	16V	CASE_A	0	FEC	1754181	VISHAY SPRAGUE	293D475X901 6A2TE3
J1	Not Fitted	SIP2		SIP2	0				
J3, J7	Not Fitted	NF		sip3	0				
Mech1	Not Fitted	Laser		NON PCB PART	0	http://www.aliexpr ess.com/item/100- pcs-mini-650nm- 5mW-3V-Laser-Dot- Diode-Module-Head- WL- Red/896433799.htm	Module Head WL Red	NA	NA
MIC1	Not Fitted	AOM-4542P- R		ECM	0	FEC	1193029	PROJECTS UNLIMITED	AOM-4542P-R
Q1	Not Fitted	FDN335N		SOT-23	0	FEC	9845348RL	FAIRCHILD SEMICOND UCTOR	FDN335N
R12	Not Fitted	15k		R0603	0				
R16, R21, R23, R29	Not Fitted	1k		R0603	0				
R28	Not Fitted	18k		R0603	0				
R30	Not Fitted	56R		R0603	0				
R32	Not Fitted	100k		R0603	0				

R28	Not Fitted	18K		R0603	U					
R30	Not Fitted	56R		R0603	0					
R32	Not Fitted	100k		R0603	0					
R5, R13	Not Fitted	47K		R0603	0					
R6	Not Fitted	1M		R0603	0					
	Not Fitted	680K		R0603	0					
R9, R11, R18	Not Fitted	10k		R0603	0					
U2	Not Fitted	TSV6295IPT		TSSOP16	0	FEC	1842580	STMICROE LECTRONI CS	TSV6295IPT	
U3	Not Fitted	PIR	2V - 12V	PIR_TO-5	0	FEC	2293504	EXCELITA S TECH	LHI_968	
X1	Not Fitted	ABM3- 16.000MHZ- B2-T		ABS10	0	FEC	1611806		ABM3- 16.000MHZ-B2- T	