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<div><div>PASS TRANSISTOR PCB</div><div><div><div><div><div><div>E4 V-INP</div><div>R2 100R</div><div>C1 10n</div><div>R1 10R</div><div>E34 INP</div></div><div><div>Q1 MJE2955T</div><div>E1 V/2 INP</div><div>Q3 MJE3055T</div><div>R5 10R</div><div>E20 DC OUT</div></div></div></div><div><div><div>E3 V-INP</div><div>R4 100R</div><div>C2 10n</div><div>R3 10R</div><div>E36 INP</div></div><div><div>Q2 MJE2955T</div><div>E2 V/2 INP</div><div>Q4 MJE3055T</div><div>R6 10R</div><div>E21 DC OUT</div></div></div></div></div><div><div><div>Q1</div><div>Q3</div><div>Q2</div><div>Q4</div></div><div><div><div>R2</div><div>R1</div><div>C1</div><div>R5</div></div><div>07027G-PTA-R0</div><div><div>R4</div><div>R3</div><div>C2</div><div>R6</div></div></div><div><div><div>E4</div><div>E34</div><div>E1</div><div>E20</div></div><div><div>V2</div><div>CTL</div><div>V1</div><div>OUT</div></div><div><div>E3</div><div>E36</div><div>E2</div><div>E21</div></div><div><div>V2</div><div>CTL</div><div>V1</div><div>OUT</div></div></div></div></div> <div><div>Bill of Material for PASS_TRANS.Bom</div><table><tr><th>Used</th><th>Part Type</th><th>Designator</th><th>Footprint</th><th>Description</th></tr><tr><td>4</td><td>10R</td><td>R1 R3 R5 R6</td><td>AXIAL0.4N</td><td>Resistor</td></tr><tr><td>2</td><td>10n</td><td>C1 C2</td><td>CAP0.2</td><td>Non Polarized Capacitor</td></tr><tr><td>2</td><td>100R</td><td>R2 R4</td><td>AXIAL0.4N</td><td>Resistor</td></tr><tr><td>2</td><td>DC OUT</td><td>E20 E21</td><td>TESTPOINT-1</td><td>Test point</td></tr><tr><td>2</td><td>INP</td><td>E34 E36</td><td>TESTPOINT-1</td><td>Test point</td></tr><tr><td>2</td><td>MJE2955T</td><td>Q1 Q2</td><td>TO-220H</td><td>PNP using TO-220 package pinout</td></tr><tr><td>2</td><td>MJE3055T</td><td>Q3 Q4</td><td>TO-220H</td><td>Generic TO-220 Transistor</td></tr><tr><td>2</td><td>V-INP</td><td>E3 E4</td><td>TESTPOINT-1</td><td>Test point</td></tr><tr><td>2</td><td>V/2 INP</td><td>E1 E2</td><td>TESTPOINT-1</td><td>Test point</td></tr></table></div>								Used	Part Type	Designator	Footprint	Description	4	10R	R1 R3 R5 R6	AXIAL0.4N	Resistor	2	10n	C1 C2	CAP0.2	Non Polarized Capacitor	2	100R	R2 R4	AXIAL0.4N	Resistor	2	DC OUT	E20 E21	TESTPOINT-1	Test point	2	INP	E34 E36	TESTPOINT-1	Test point	2	MJE2955T	Q1 Q2	TO-220H	PNP using TO-220 package pinout	2	MJE3055T	Q3 Q4	TO-220H	Generic TO-220 Transistor	2	V-INP	E3 E4	TESTPOINT-1	Test point	2	V/2 INP	E1 E2	TESTPOINT-1	Test point
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Unless otherwise specified, all values are as follows:  
resistor values are in Ohms, i.e. 0R47, 5R6, 220, 5K6, 22K  
capacitor values are in Microfarads, i.e. 220p, 0u1, 2u2, 33  
inductor values are in Microhenries, i.e. 0u22, 5u6, 68, 2m2

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unauthorized use of any kind is prohibited.

Without Approval use only for inquiry.

Approval:

Drawn

Modified

Checked

Date

5-Nov-2012

Name

GJO

☐ Prototype

☐ Production

☐ BOM Done?

PCB Name: Pass Transistor Assembly

PCB Nr. TBD

PCB Type:

Change Index

Change Notification Nr.

Date

Name

Title

Pass Transistor PCB Board Assembly

Used in

Repl.for

Build No.

Scale:

Prj. Nr

07027G

Drw. Type:

Size: A

Rev. 1

Drw. Nr

07027G-LNG30/2-E05

File: PASS\_TRANS.sch

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Requires TGL-017 Font

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