

Master Bill Of Materials - PCBA Level

Customer Gemini Tec Ltd
Assembly PN Customer Number
Description Soft description
BOM Revision 9
Created Date 01-Jan-20



Item	Manufactures P/N	Description / Part	Circuit Ref	Qty Per	Suggested Supplier	Suppliers Reference	Fitted	Alternative	Wash	Reflow Compatible	X-Ray Compatible
1		1234-5555 Iss 2 - Blank PCB	PCB	1	Gemini		Y	No		Yes	Yes
2	RC0201FR-0747KL	Yageo 0201 47K 1% 50mW 25V 200ppm Thick Film Res	R1,R3,R88	3	Farnell	1857018	Y	Generic	Yes	Yes	Yes
3	C0805C475K9PACTU	Kemet 0805 4.7uF 10% 6.3V X5R Ceramic Cap	C1, C2, C3, C4	4	Farnell	9227857	Y	No	Yes	Yes	Yes
4	MT41K128M16JT-125IT:K	Micron 96-TFBGA 2Gb 800MHz 13.75ns Parallel SDRAM DDR3L Memory	IC1	1	Arrow	MT41K128M16JT-125IT:K.	Y	No	Yes	Yes	Yes
5	XC7Z020-1CLG484C	Xilinx 484-CSPBGA 19x19 Dual ARM Cortex-A9 MPCore with CoreSight SOC	IC2	1	Avent	Supported Price	Y	No	Yes	Yes	Yes
6	MAX3080CPD+.	Geyer SMT 14.7456MHz Osci KXO-V99 CMOS Tistate 16pF 50ppm	X1	1	Geyer	12.94763	Y	No	No	Yes	Yes
7	224057	ERNI Press Fit Hard Metric Connector 2.0mm 40 Position Vertical Male Type B8 PXI	Con 1	1	Customer Name	Free Issue	Y	No	No	No	Yes

BOM Notes & guidance

- The title, issue and date on the document is critical and should follow standard engineering protocol when modified.
- All components required for the build, must be shown on the BOM: Including jumper links, heatsinks, heatsink compounds and any specific solder paste configuration.
- The manufactures part number is the primary source of data and a full description is required for accurate material selection.
- UOS: Alternative manufactures will be used for discrete components, where the specification is equal.
- A GA drawing will be required for specific assembly requirements, such as mechanical items, heatsinks, custom labels (in addition to our G-Tec standard unique batch serial number)
- UOS: A RoHS compliant process will be used to manufacture the PCBA.
- Free issue items are purchased from our customers, using a zero cost purchase order, to allow full traceability and track on time delivery.
- If free issue components are 'Leaded' please inform us, in order to modify our build process for compliance.
- If a price support agreement is in place, please provide your contract number and supplier contact details.
- Engineering will conduct extensive checks before commencing the manufacture, however a resubmitted BOM as a result of errors found, may create a delay and/or incur additional tooling costs.
- All materials used are branded items, fully traceable by batch number to supplier back to our approved suppliers.
- Revision change logs are suggested.
- Listing of schematics, programmed devices, test specifications are suggested.

If you need any further assistance please contact Gemini Tec Ltd. Tel: +44 (0)1252 333 444 sales@geminitec.co.uk
www.geminitec.co.uk

Revision of this document: 4