

**Basic**

<b>Number</b>	001-ASY-0001
<b>Title</b>	EMBER Printer
<b>Description</b>	Top level printer in packaging
<b>Image</b>	
<b>PRIMARY_FILE</b>	

## BOM List

Component	Quantity
001-STR-0022 - Build Arm Shaft [REV:A]	1
001-STR-0025 - Build Arm Clamp Screw [REV:A]	1
001-STR-0047 - Build Arm Mounting Plate [REV:A]	1
001-STR-0050 - 1/4 Turn Lever [REV:A]	1
001-STR-0051 - 1/4 Turn Shaft [REV:A]	1
001-STR-0052 - Nylon bushing [REV:A]	1
001-FST-0038 - M5 x 16 FHCS [REV:A]	3
001-STR-0059 - 1/16" x 1/4" Dowel Pin [REV:A]	6
001-FST-0044 - 98090A235 (Shim 0.020") [REV:A]	1
001-FST-0045 - 98090A245 (Shim 0.030") [REV:A]	1
001-FST-0078 - M5 Flat Nylon Washer [REV:A]	1
001-STR-0026 - Front Panel [REV:A]	4
001-STR-0027 - Vertical Extrusion - Left [REV:A]	1
001-STR-0028 - Vertical Extrusion - Right [REV:A]	1
001-DOC-0102 - Top Cabinet Sub-Assembly Procedure [REV:A]	0
001-STR-0031 - Top Cabinet [REV:A]	1
001-STR-0032 - Top Extrusion [REV:A]	1
001-FST-0031 - M4 x 12 Socket Button Head ISO7380 [REV:A]	20
001-STR-0045 - Foam Door Stop Pad [REV:A]	0
001-STR-0030 - Metal A Badge [REV:A]	1
001-DOC-0162 - Door Sensor Shim - Drawing [REV:A]	1
001-FST-0089 - Door Shim Adhesive [REV:A]	1
001-STR-0033 - Back Panel [REV:A]	1
001-DOC-0105 - Rotating Window Sub-Assembly Procedure [REV:A]	0
001-STR-0040 - Rotating Window Moulding [REV:A]	1
001-STR-0041 - Magnet 1/8" x 1/8" x 1/4" [REV:A]	1
001-STR-0029 - Window Bearing Spacer Plate [REV:A]	1
001-MCH-0008 - Lazy Susan Bearing - 140mm OD w/ M3 tapped holes [REV:A]	1
001-FST-0027 - M3 x 14 Socket Countersink DIN7991 [REV:A]	4
001-FST-0087 - M3 Flat Washer [REV:A]	2
001-ELC-0009 - Proximity Sensor - Hamlin 59145 [REV:A]	1
001-DOC-0128 - 001-ASY-0027 Label [REV:A]	1
001-OPT-0001 - Glass Slide Window [REV:A]	1
001-DOC-0106 - Spill Protection Bezel Assembly Procedure [REV:A]	0
001-STR-0043 - Spill Glass Bezel [REV:A]	1
001-FST-0035 - M4 x 30mm Socket Button ISO7380 [REV:A]	8
001-FST-0036 - M4 Washer DIN125 [REV:A]	4
001-FST-0076 - No.4 x 0.312 Imperial Flat Washers [REV:A]	4
001-DOC-0147 - Branding & Certification Label [REV:A]	3
001-FST-0085 - M6x18mm Socket Button ISO 7380 [REV:A]	4

704-000003 - MPI - Ember Printer [REV:A]	1
001-DOC-0148 - Stocking Label [REV:A]	1
001-PKG-0006 - Box Bottom [REV:A]	1
001-PKG-0003 - Foam Set [REV:A]	1
001-PKG-0001 - Shipping Box [REV:A]	1
001-PKG-0015 - Handle [REV:A]	1
001-PKG-0016 - Base Tray [REV:A]	1
001-PKG-0005 - Box Top [REV:A]	1
001-PKG-0014 - Door Protector Insert [REV:A]	1
001-PKG-0011 - Pallet [REV:A]	0.1
001-DOC-0163 - User Manual and Calibration Postcard [REV:A]	1
001-DOC-0001 - Packaging Assembly Document [REV:A]	0
001-PKG-0002 - Packing Tape [REV:A]	6
001-PKG-0008 - Printer Bag [REV:A]	1
001-PKG-0012 - Desiccant [REV:A]	3
001-PKG-0013 - Rotating Window Shipping Tape [REV:A]	1
001-DOC-0116 - Serial Number Label [REV:A]	2
001-DOC-0003 - Resin Tray Assembly Procedure [REV:A]	0
001-STR-0001 - Resin Tray [REV:A]	4
001-JIG-0004 - PDMS Window Alignment Jig [REV:A]	0
001-DOC-0005 - Resin Tray Window Adhesive Gasket Control Drawing - Rev 1 [REV:A]	4
001-DOC-0155 - PDMS Window Assembly Control Drawing [REV:A]	0
001-DOC-0153 - Tempered Glass Slide Control Drawing [REV:A]	0
001-DOC-0154 - PDMS Window Control Drawing [REV:A]	0
001-FST-0060 - Resin Tray Plastic Bag [REV:A]	4
001-DOC-0151 - Resin Tray Serial Number Label [REV:A]	4
001-STR-0058 - Kinematic Balls, 3/16" [REV:A]	6
001-DOC-0072 - Build Head Assembly Procedure [REV:A]	0
001-STR-0024 - Build Plate [REV:A]	2
001-STR-0054 - Build Head Magnets [REV:A]	10
001-FST-0061 - Build Head Plastic Bag [REV:A]	2
001-STR-0064 - Build Head [REV:A]	2
001-DOC-0145 - Build Head with Brass Inserts Assembly Procedure [REV:A]	0
001-FST-0083 - M3 Brass Insert - 4.74 x 12mm [REV:A]	4
001-FST-0077 - M3 x 10 Countersunk Screw [REV:A]	4
001-STR-0056 - Epoxy Adhesive [REV:A]	0.1
001-ELC-0056 - Power Supply [REV:A]	1
001-ELC-0058 - USB Cable [REV:A]	1
001-DOC-0006 - Printer Assembly Procedure Documentation [REV:A]	0
001-DOC-0141 - Manufacturing Process Instructions [REV:A]	0
001-FST-0062 - Purple Loctite [REV:A]	0.1
001-STR-0039 - 1/4" wide, 1/8" thick Foam Gasket Strip [REV:A]	1.1
001-FST-0055 - M3 Star Washer [REV:A]	6
001-CON-0001 - Industrial Chemical Wet Swab [REV:A]	1
001-CON-0002 - Swab [REV:A]	1
001-FST-0002 - 3mm x 8mm Self Tap - Pan-pozidrive [REV:A]	5
001-DOC-0095 - Complete Base Assembly Procedure [REV:A]	0
001-JIG-0001 - Projector Calibration Jig [REV:A]	0
001-DOC-0114 - Projector Calibrated Label [REV:A]	1
001-FST-0034 - M3 x 10mm Socket Button ISO7380 [REV:A]	22
001-DOC-0096 - Base Sub Assembly Procedure [REV:A]	0
001-DOC-0112 - Initial Unit Label [REV:A]	1
001-ELC-0380 - Ring Lug, Crimp [REV:A]	3
001-ELC-0381 - Ground Wire Chassis, 22 AWG, 300mm [REV:A]	1
001-DOC-0135 - 001-ASY-0047 Label [REV:A]	1
001-STR-0003 - Base Moulding [REV:A]	1

001-FST-0001 - M4 Brass Insert - Ultrasonic - Length 8.1mm - OD 6.3mm [REV:A]	8
001-FST-0007 - M3 Brass Insert - Ultrasonic - Length 5.7mm - OD 4.6mm [REV:A]	6
001-ELC-0001 - 60 x 60 x 15mm Fan [REV:A]	2
001-ELC-0002 - 1.25MM CLIK-MATE series, Wire-to-Board Housing, Single Row, Positive Lock, 2 Circuits [REV:A]	4
001-ELC-0003 - 1.25MM CLIK-MATE series, Wire-to-Board Crimp Terminal, Reel [REV:A]	14
001-FST-0063 - Black Heatshrink, 3.2mm inner diameter [REV:A]	3.3
001-DOC-0122 - 001-ASY-0007 Label [REV:A]	1
001-DOC-0123 - 001-ASY-0008 Label [REV:A]	1
001-ELC-0205 - CAP 4.7uF 50V ±20% 0805 (2012 Metric) Thickness 1.45mm SMD [REV:A]	9
001-ELC-0203 - CAP 10nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD [REV:A]	7
001-ELC-0201 - CAP 100nF 6.3V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD [REV:A]	57
001-ELC-0228 - FERRITE 120OHM @ 1GHZ 1300MA SMT 0402 [REV:A]	24
001-ELC-0240 - CONN PICO-BLADE (1.25) RIGHT ANGLE SMT 8 PIN [REV:A]	2
001-ELC-0298 - 8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C) [REV:A]	2
001-ELC-0305 - Ceramic Resonator, 8 MHz with Built-in Capacitance, Thickness Expander Mode, Initial Frequency Tolerance +/- 0.5%, Load Capacity 15 pF, -20 to 80 degC, 3.2 x 1.3 x 1 mm SMD, RoHS, Reel [REV:A]	2
001-ELC-0288 - DEBOUNCE BUFFER DUAL SMT [REV:A]	2
001-ELC-0202 - CAP CER 10UF 10V Y5V 0805 [REV:A]	27
001-ELC-0204 - CAP CER 2.2UF 6.3V 10% X5R 0402 [REV:A]	10
001-ELC-0365 - CAP 10nF 25V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD [REV:A]	45
001-ELC-0206 - Ceramic Chip Capacitor - Standard [REV:A]	6
001-ELC-0208 - CAP CER 18PF 50V 5% NP0 0402 [REV:A]	4
001-ELC-0219 - CAP CERAMIC 1000PF 0402 [REV:A]	29
001-ELC-0209 - CAP CERAMIC 470PF 50V 0402 [REV:A]	3
001-ELC-0211 - CAP CERAMIC 1UF 10V 0402 [REV:A]	7
001-ELC-0212 - Aluminum Electrolytic Capacitor, Low Impedance, 100 uF, 6.3 V, + / - 20%, -55 to 105 degC, Chip Type, 6.3 x 5.8 mm D x L, Pb-Free, Reel [REV:A]	4
001-ELC-0213 - Ceramic Chip Capacitor - Standard [REV:A]	2
001-ELC-0214 - CAP 22nF 50V ±10% 0402 (1005 Metric) Thickness 1mm SMD [REV:A]	2
001-ELC-0215 - Ceramic Chip Capacitor - Standard [REV:A]	2
001-ELC-0216 - Ceramic Chip Capacitor - Standard [REV:A]	4
001-ELC-0218 - CAP CERAMIC 30PF 0402 [REV:A]	2
001-ELC-0221 - Aluminum Electrolytic Capacitor, UD Series, Low Impedance, 470 uF, 25 V, + / - 20%, -55 to 105 degC, Chip Type, 10 x 10 mm D x L, Pb-Free, Reel [REV:A]	1
001-ELC-0222 - LED BLUE SMT 0603 [REV:A]	1
001-ELC-0223 - LED SMT 0603 ORANGE RED [REV:A]	4
001-ELC-0224 - SCHOTTKY DIODE 40V SOD323 [REV:A]	1
001-ELC-0226 - DIODES ESD FOR HDMI [REV:A]	2
001-ELC-0366 - 0603 size chip 3-terminal capacitor for power lines [REV:A]	2
001-ELC-0227 - FERRITE 60OHM @ 1GHZ 1700MA SMT 0402 [REV:A]	3
001-ELC-0229 - T-TYPE FILTER FERRITE [REV:A]	8
001-ELC-0230 - 0.1" SIP 6-PIN UART DEBUG [REV:A]	2
001-ELC-0231 - Inductor 2.2uH smt 2.6A, 58 milliohm [REV:A]	3
001-ELC-0233 - Chip Common Mode Choke Coils [REV:A]	3
001-ELC-0234 - SMD Common Mode Noise Suppressor WE-CNSW, Z = 67 Ohm [REV:A]	2
001-ELC-0235 - CONN MICRO-FIT (3.0) VERTICAL SMT 2 PIN [REV:A]	1
001-ELC-0236 - RJ45 INTEGRATED MAGNETICS [REV:A]	1
001-ELC-0237 - CONN HDMI RECPT TYPE A 19POS SMT R/A [REV:A]	1
001-ELC-0244 - CONN 1.25MM CLIK-MATE VERT2 PIN [REV:A]	12
001-ELC-0239 - CONN MICRO SD R/A PUSH-PUSH SMD STANDARD [REV:A]	1
001-ELC-0241 - miniUSB Type B SMT Connector [REV:A]	1
001-ELC-0242 - CONN 1.25MM CLIK-MATE VERT ANGLE 3 PIN [REV:A]	3
001-ELC-0243 - CONN PICO-BLADE (1.25) RIGHT ANGLE SMT 4 PIN [REV:A]	1
001-ELC-0245 - CONN RCPT USB TYPE A R/A PCB [REV:A]	1
001-ELC-0246 - AVR Programming Header [REV:A]	1
001-ELC-0247 - CONN MICRO-FIT (3.0) VERTICAL SMT 4 PIN [REV:A]	2
001-ELC-0248 - CONN RCPT USB TYPE A VERT PCB [REV:A]	1
001-ELC-0249 - Header, 3-Pin, Jumper [REV:A]	2

001-ELC-0390 - Isaac Main Bare PCB [REV:A]	1
001-ELC-0250 - DUAL NPN 50V PRE-BIAS [REV:A]	4
001-ELC-0251 - 60V 1.3A SELF-PROTECTED MOSFET [REV:A]	3
001-ELC-0252 - 1K8 0.063W 5% 0402 (1005 Metric) SMD [REV:A]	6
001-ELC-0253 - Precision Thick Film Chip Resistor, 10 Ohm to 2.2M Ohm Range, 1% Tolerance, 0402 Size, 0.0625 W [REV:A]	1
001-ELC-0254 - RES 10K OHM 1/16W 1% 0402 SMD [REV:A]	40
001-ELC-0255 - RES 1.5K OHM 1/16W 5% 0402 SMD [REV:A]	7
001-ELC-0256 - Resistor 1Mohm 1/16W 1% 0402 [REV:A]	3
001-ELC-0257 - Precision Thick Film Chip Resistor, 10 Ohm to 2.2M Ohm Range, 1% Tolerance, 0402 Size, 0.0625 W [REV:A]	1
001-ELC-0258 - Resistor 100Kohm 1/16W 1% 0402 [REV:A]	24
001-ELC-0259 - 100K 0.063W 5% 0402 (1005 Metric) SMD [REV:A]	3
001-ELC-0260 - ERJ8BWFR100V [REV:A]	4
001-ELC-0262 - Precision Thick Film Chip Resistor, 10 Ohm to 2.2M Ohm Range, 1% Tolerance, 0402 Size, 0.0625 W [REV:A]	1
001-ELC-0261 - RES 0.0 OHM 1/16W 0402 SMD [REV:A]	21
001-ELC-0263 - RES 27K OHM 1/16W 1% SMD 0402 [REV:A]	1
001-ELC-0264 - Precision Thick Film Chip Resistor, 10 Ohm to 2.2M Ohm Range, 1% Tolerance, 00402 Size, 0.0625 W [REV:A]	1
001-ELC-0265 - RES 33R 5% 0402 [REV:A]	20
001-ELC-0266 - 649R 0.063W 1% 0402 (1005 Metric) SMD [REV:A]	1
001-ELC-0267 - Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0805 Size, 0.1 W [REV:A]	2
001-ELC-0268 - Precision Thick Film Chip Resistor, 10 Ohm to 2.2M Ohm Range, 1% Tolerance, 0402 Size, 0.0625 W [REV:A]	1
001-ELC-0269 - Res, 240E, 1%, Thick Film, 0.1W, SMD, Size 0402 [REV:A]	1
001-ELC-0270 - Square Trimming Potentiometer [REV:A]	2
001-ELC-0271 - RES 49.9 OHM 1/16W 1% 0402 SMD [REV:A]	6
001-ELC-0272 - RES 28K OHM 1/10W 1% 0402 SMD [REV:A]	1
001-ELC-0273 - RES 47K OHM 1/10W 1% 0402 SMD [REV:A]	1
001-ELC-0274 - RES 4.75K OHM 1/16W 1% 0402 SMD [REV:A]	6
001-ELC-0275 - 75K 0.063W 5% 0402 (1005 Metric) SMD [REV:A]	1
001-ELC-0276 - Resistor 52.3Kohm 1/16W 1% 0402 [REV:A]	1
001-ELC-0277 - RES 100 OHM 1/10W 1% 0402 SMD [REV:A]	11
001-ELC-0278 - Resistor 130Kohm 1/16W 1% 0402 [REV:A]	1
001-ELC-0279 - RES 68R OHM 1/10W 5% 0402 SMD [REV:A]	4
001-ELC-0280 - RES 470 OHM 1/10W 5% 0402 SMD [REV:A]	2
001-ELC-0281 - RES 22R 5% 0402 [REV:A]	1
001-ELC-0282 - [REV:A]	1
001-ELC-0283 - Resistor 10ohm 1/16W 1% 0402 [REV:A]	1
001-ELC-0284 - RES 12.1K OHM 1/16W 1% 0402 SMD [REV:A]	1
001-ELC-0285 - PTC POLY SWITCH PROTECTION DEVICE [REV:A]	1
001-ELC-0286 - Microminiature Tact Switch for SMT [REV:A]	3
001-ELC-0287 - 0.1" SHUNT JUMPER [REV:A]	2
001-ELC-0289 - [REV:A]	1
001-ELC-0290 - 3A SIMPLE SWITCHER® Power Module with 20V Maximum Input Voltage for Military and Rugged Applications, 7 pin TO-PMOD [REV:A]	1
001-ELC-0291 - IC INVERTER SINGLE 1INPUT SC705 [REV:A]	1
001-ELC-0292 - 256MB DDR3L SDRAM [REV:A]	1
001-ELC-0293 - Flash Card 2G-byte 3.3V MultiMedia Card 153-Pin WFBGA [REV:A]	1
001-ELC-0294 - ETHERNET PHY MAXIM [REV:A]	1
001-ELC-0295 - IC HDMI TRANSMITTER 64-HVQFN [REV:A]	1
001-ELC-0296 - I2C TO 1-WIRE (3.3V TO 5.0V) [REV:A]	1
001-ELC-0297 - ESD 4channel USB Interface [REV:A]	3
001-ELC-0299 - STEPPER MOTOR CONTROLLER IC [REV:A]	2
001-ELC-0300 - [REV:A]	1
001-ELC-0301 - SubArctic Cortex A8 Processor 15x15 [REV:A]	1
001-ELC-0302 - 2-BIT BIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR FOR OPEN-DRAIN AND PUSH-PULL APPLICATIONS [REV:A]	1
001-ELC-0303 - Econo 1-Wire Parasite-Power Digital Thermometer [REV:A]	1
001-ELC-0304 - HX2VL(TM) Very Low Power USB 2.0 Hub Controller, 2 Hub Ports, 0 to 70 degC, 28-Pin QFN (LTX28), Bulk [REV:A]	1
001-ELC-0306 - SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP WITH CLEAR AND PRESET DCT PACKAGE [REV:A]	1
001-ELC-0307 - MAX6818 Octal DeBounce [REV:A]	1
001-ELC-0308 - [REV:A]	2

001-ELC-0309 - IC INVERTER SINGLE 1INPUT SC705 [REV:A]	1
001-ELC-0310 - DUAL BUFFER/DRIVER WITH 3-STATE OUTPUTS [REV:A]	1
001-ELC-0311 - EEPROM 256Kb I2C SOIC8 [REV:A]	1
001-ELC-0367 - Non-Inverting Buffer / CMOS Logic level Shifter with LSTTL-Compatible Inputs [REV:A]	1
001-ELC-0312 - CRYSTAL 24.000MHZ 18PF SMD [REV:A]	1
001-ELC-0313 - XTAL 25MHZ 30PF SMT [REV:A]	1
001-ELC-0314 - CRYSTAL 32.768KHZ 12.5PF SMD [REV:A]	1
001-ELC-0315 - OSC 24.576MHZ 3.3V SMT [REV:A]	1
001-ELC-0359 - CONN PICO-BLADE (1.25) RIGHT ANGLE SMT 3 PIN [REV:A]	3
001-ELC-0358 - CAP CER 0.1UF 6.3V 10% X5R 0402 [REV:A]	3
001-ELC-0360 - RES 56R OHM 1/16W 5% 0402 SMD [REV:A]	3
001-ELC-0361 - RES 10K OHM 1/16W 5% 0402 SMD [REV:A]	3
001-ELC-0362 - RES 0 OHM JUMPER 1/16W 0402 SMD [REV:A]	2
001-ELC-0363 - LL SCHMITT TRIGGER BUFFER [REV:A]	3
001-ELC-0364 - 4-Pin Phototransistor Optointerrupter [REV:A]	3
001-DOC-0117 - Tested Main PCBA Label [REV:A]	1
001-ELC-0317 - [REV:A]	1
001-ELC-0318 - [REV:A]	1
001-ELC-0319 - [REV:A]	2
001-ELC-0320 - [REV:A]	1
001-ELC-0316 - [REV:A]	1
001-DOC-0118 - Tested Back Panel PCBA Label [REV:A]	1
001-FST-0011 - M4 Nut DIN934 [REV:A]	17
001-FST-0071 - 4mm x 20mm self-tap PoziDrive [REV:A]	8
001-FST-0073 - Torx M3.12 x 8mm Length Thread-Forming Screw for Plastics [REV:A]	8
001-ELC-0379 - Quick Connector, Crimp [REV:A]	1
001-ELC-0378 - Ground Wire Projector, 22 AWG, 140mm [REV:A]	0.5
001-DOC-0137 - 001-ASY-0046 Label [REV:A]	1
001-DOC-0097 - Control Panel Assembly Procedure [REV:A]	0
001-STR-0006 - Control Panel - Front Cabinet [REV:A]	1
001-FST-0005 - 2.5 x 6 - self tap counter sink_2.5x6 [REV:A]	2
001-STR-0007 - Control Panel Inlay [REV:A]	1
001-STR-0008 - Control Panel Adhesive [REV:A]	1
001-STR-0009 - Control Panel LED Light Pipe [REV:A]	1
001-STR-0057 - LCD Foam Pad [REV:A]	0.1
001-ELC-0325 - CAP 0.1uF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD [REV:A]	3
001-ELC-0327 - Capacitor, Tantalum, 4.7uF 10% 20V MCCT-B (3528) [REV:A]	1
001-ELC-0328 - CAP 1.0uF 16V ±10% 0603 (1608 Metric) Thickness 1mm SMD [REV:A]	2
001-ELC-0329 - CAP 10UF 25V ±10% 0805 (2012 Metric) Thickness 0.8mm SMD [REV:A]	1
001-ELC-0330 - CAP CER 120PF 50V 5% NP0 0402 [REV:A]	1
001-ELC-0331 - CAP 10nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD [REV:A]	1
001-ELC-0332 - LED ORANGE CLEAR 0805 SMD [REV:A]	21
001-ELC-0333 - very low VF MEGA Schottky barrier rectifiers [REV:A]	2
001-ELC-0225 - Schottky Barrier Diode [REV:A]	1
001-ELC-0335 - Univision UG2828GDEDF11 Display (mechanical only) [REV:A]	1
001-ELC-0337 - Chip Ferrite Bead for Power Lines, 60 Ohm, 1700 mA, -55 to 125 degC, 1 x 0.5 x 0.55 mm SMD, Bulk [REV:A]	1
001-ELC-0338 - SMT Power Inductor; Size 6.3x6.3x3.0mm, ±20% Tolerance, 10uH, 1.5A [REV:A]	1
001-ELC-0340 - HEADER 2X3 0.1" AVR PROGRAMMING [REV:A]	1
001-ELC-0341 - HEADER 1X6 0.1" AVR DEBUG [REV:A]	1
001-ELC-0342 - UNIVISION OLED CONNECTOR [REV:A]	1
001-ELC-0322 - Isaac UI PCBA Bare PCB [REV:A]	1
001-ELC-0343 - RES 10K OHM 1/16W 1% 0402 SMD [REV:A]	2
001-ELC-0344 - RES 4K99 OHM 1/16W 1% 0402 SMD [REV:A]	1
001-ELC-0345 - RES 100R OHM 1/1W 5% 0603 SMD [REV:A]	2
001-ELC-0346 - RES 560K OHM 1/16W 5% 0402 SMD [REV:A]	1
001-ELC-0347 - RES 137K OHM 1/16W 1% 0402 SMD [REV:A]	1

001-ELC-0348 - RES 14K3 OHM 1/16W 1% 0402 SMD [REV:A]	1
001-ELC-0349 - RES 0.0 OHM 1/16W 0402 SMD [REV:A]	4
001-ELC-0351 - Sealed Tact Switch for SMT [REV:A]	1
001-ELC-0352 - Sealed Tact Switch for SMT [REV:A]	2
001-ELC-0353 - 24-Channel, 12-Bit PWM LED Driver with Internal Oscillator, 3 to 5.5 V, -40 to 85 degC, 32-pin QFN (RHB32), Green (RoHS & no Sb/Br) [REV:A]	1
001-ELC-0356 - SWITCHER BOOST [REV:A]	1
001-ELC-0014 - 26AWG-WHT (7 wires @.39ft) [REV:A]	2.8
001-ELC-0037 - 1.25mm Pitch PicoBladeTM Wire-to-Wire and Wire-to-Board Housing, Female, 8 Circuits [REV:A]	2
001-ELC-0036 - 1.25mm Pitch PicoBladeTM Crimp Terminal, 26-28 AWG, Reel/ [REV:A]	27
001-FST-0066 - Black Heatshrink, 12.7mm inner diameter [REV:A]	0.4
001-DOC-0131 - 001-ASY-0031 Label [REV:A]	1
001-DOC-0119 - Tested UI PCBA Label [REV:A]	1
001-ELC-0010 - 18AWG-BLK.Wire1 [REV:A]	0.8
001-ELC-0011 - 18AWG-RED.Wire2 [REV:A]	0.8
001-ELC-0012 - Micro-Fit (3.0) Receptacle Housing, Single Row, 2 Pin [REV:A]	3
001-ELC-0006 - Crimp [REV:A]	14
001-FST-0065 - Black Heatshrink, 4.8mm inner diameter [REV:A]	2.9000000000000004
001-DOC-0129 - 001-ASY-0029 Label [REV:A]	1
001-ELC-0013 - Projector DC Jack [REV:A]	1
001-DOC-0130 - 001-ASY-0030 Label [REV:A]	1
001-ELC-0038 - 26AWG-GRN (4 wires@1.15ft) [REV:A]	4.6
001-ELC-0039 - 1.25mm Pitch PicoBladeTM Wire-to-Wire and Wire-to-Board Housing, Female, 4 Circuits [REV:A]	2
001-FST-0064 - Black Heatshrink, 6.4mm inner diameter [REV:A]	2.4
001-DOC-0132 - 001-ASY-0032 Label [REV:A]	1
001-ELC-0053 - HDMI Cable [REV:A]	1
001-ELC-0054 - 6" Cat5e Ethernet Cable [REV:A]	1
001-DOC-0098 - Sliding Projector Assembly Procedure [REV:A]	0
001-DOC-0121 - EMI Shiled and Projector Assembly Procedure [REV:A]	0
001-JIG-0002 - EMI Shield Jig [REV:A]	0
001-STR-0061 - EMI Shield [REV:A]	1
001-STR-0014 - Projector Mount - Mounting Plate [REV:A]	1
001-DOC-0150 - Projector Serial Number Label [REV:A]	1
001-FST-0080 - M3 x 10mm nylon screws [REV:A]	4
001-OPT-0005 - Projector Assembly [REV:A]	1
001-FST-0010 - M4x30 Socket Button [REV:A]	1
001-FST-0012 - M4 Nylok [REV:A]	1
001-FST-0013 - M4 Nylon Washer [REV:A]	2
001-STR-0011 - Projector Mount - Lens Foam Gasket [REV:A]	1
001-STR-0012 - Projector Mount - Top Cabinet [REV:A]	1
001-STR-0013 - Projector Mount - Window Gasket [REV:A]	1
001-DOC-0099 - Projector Mount Assembly Procedure [REV:A]	0
001-STR-0062 - Projector Cabinet Dust Ingress Cover Sticker [REV:A]	1
001-STR-0010 - Projector Mount - Bottom Cabinet [REV:A]	1
001-OPT-0004 - Mirror 45 x 30 [REV:A]	1
001-FST-0074 - 3mm x 12mm Pozi Pan Head Plastite Screws [REV:A]	2
001-ELC-0400 - Projector DC Jack Ferrite [REV:A]	1
001-ELC-0401 - HDMI Ferrite [REV:A]	1
001-FST-0079 - Projector Power Cable Tie Wrap [REV:A]	1
001-ELC-0059 - Dual-Band WiFi Adapter [REV:A]	1
001-DOC-0100 - Central Moulding and Motor Assembly Procedure [REV:A]	0
001-JIG-0003 - Z-Axis Test Jig [REV:A]	0
001-DOC-0113 - Tested Z-Axis Label [REV:A]	1
001-FST-0070 - M3 x 6mm Thread Forming Screw [REV:A]	2
001-ELC-0044 - 22AWG-BLU.Wire1 (3 wires@1.64 ft) [REV:A]	4.9
001-ELC-0008 - 1.25MM CLIK-MATE series, Wire-to-Board Housing, Single Row, Positive Lock, 3 Circuits [REV:A]	2
001-ELC-0040 - 1.25mm Pitch PicoBladeTM Wire-to-Wire and Wire-to-Board Housing, Female, 3 Circuits [REV:A]	1

001-DOC-0133 - 001-ASY-0034 Label [REV:A]	1
001-STR-0015 - Central Moulding [REV:A]	1
001-FST-0016 - M5 Brass insert - FlowSert Unheaded - 7.3 x 11.2mm [REV:A]	8
001-FST-0081 - M3 Brass Insert - FlowSert Unheaded - 4.7 x 7.3mm [REV:A]	4
001-FST-0082 - M4 Brass Insert - FlowSert Unheaded - 6.3 x 10.2mm [REV:A]	4
001-ELC-0004 - Stepper Motor - NEMA23-23HS16-0884S [REV:A]	2
001-ELC-0005 - Micro-Fit (3.0) Receptacle Housing, Single Row, 4 Pin [REV:A]	2
001-DOC-0124 - 001-ASY-0017 Label [REV:A]	1
001-DOC-0125 - 001-ASY-0018 Label [REV:A]	1
001-MCH-0001 - XY Timing pulley, HDT5 profile, 32 teeth, 9mm belt [REV:A]	1
001-MCH-0002 - Z-Timing pulley, XL profile, 15 teeth, 6.35mm bore, no hub [REV:A]	1
001-MCH-0003 - Z-Axis Timing Pulley, XL Profile, 15 Teeth, 10mm bore [REV:A]	1
001-MCH-0004 - XY Timing belt, HDT5 profile, 425mm length, 9mm thick [REV:A]	1
001-MCH-0005 - Z Axis Timing belt, XL Profile, 54 teeth, 0.375inch wide [REV:A]	1
001-MCH-0006 - XY Axis Bearing - Slewing ring bearing with HDT5 tooth profile [REV:A]	1
001-MCH-0007 - Linear Drive - IGUS [REV:A]	1
001-STR-0016 - Lower Bearing Spacer Plate [REV:A]	1
001-FST-0019 - M4 x 10 Socket Button Head ISO7380 [REV:A]	8
001-FST-0021 - M5 x 12 Socket -DIN912 [REV:A]	8
001-STR-0017 - Opto Bracket [REV:A]	1
001-STR-0018 - Opto Trigger [REV:A]	1
001-FST-0056 - M6x40 BHCS [REV:A]	2
001-FST-0057 - M6 Washer [REV:A]	2
001-FST-0058 - M6 Nut [REV:A]	2
001-ELC-0357 - Isaac OptoStop PCBA bare PCB 410-0004-001 [REV:A]	1
001-DOC-0120 - Tested OptoStop PCBA Label [REV:A]	1
001-STR-0063 - Z-Axis OptoStop Cable Strain Relief [REV:A]	1
001-DOC-0103 - Vat Support Plate w Magnet Assembly Procedure [REV:A]	0
001-STR-0034 - Vat Support Plate [REV:A]	1
001-STR-0035 - Vat Support Plate Magnet [REV:A]	2
001-FST-0075 - M3 x 22mm Socket Button ISO7380 [REV:A]	4
001-DOC-0104 - Middle Plate Assembly Procedure [REV:A]	0
001-STR-0038 - Middle Plate [REV:A]	1
001-ELC-0007 - Proximity Sensor - Hamlin 59070 [REV:A]	3
001-DOC-0126 - 001-ASY-0024 Label [REV:A]	1
001-DOC-0127 - 001-ASY-0025 Label [REV:A]	1
001-STR-0037 - Vat Support Plate Spacer [REV:A]	1
001-FST-0030 - M3x20 BHCS [REV:A]	6
001-FST-0086 - M6x22mm Socket Button ISO 7380 [REV:A]	2
001-FST-0084 - M6 lock washer [REV:A]	2
001-DOC-0161 - Slewing ring bearing cover Control Drawing [REV:A]	0
001-STR-0055 - Build Head Magnet Adhesive [REV:A]	0.1
001-DOC-0101 - Build Arm Subassembly Procedure [REV:A]	0
001-FST-0046 - M4 x 12 SHCS [REV:A]	2
001-FST-0049 - 4mm Hex Key [REV:A]	1
001-FST-0052 - M4 x 20 SHCS [REV:A]	2
001-FST-0051 - M5 x 18 SHCS [REV:A]	1
001-STR-0060 - 3/16" x 1/4" Neodymium Magnet [REV:A]	1
001-STR-0019 - Build Arm Base [REV:A]	1
001-STR-0020 - Build Arm Front Clamp [REV:A]	1
001-STR-0021 - Build Arm Sphere [REV:A]	1