


OCTO PRINTER SHILED V1.2 BOM

No.	Parts	Value	Package	Device	Qty	Description
1	R1, R2, R3, R4, R9	10kJ	R1608		5	SMD RESISTOR
2	R11	2kJ	R1608		1	SMD RESISTOR
3	R12	2.2kJ	R1608		1	SMD RESISTOR
4	R13	52.3kF	R1608		1	SMD RESISTOR
5	R5	100kJ	R1608		1	SMD RESISTOR
6	R6	200J	R1608		1	SMD RESISTOR
7	R7, R10	47kJ	R1608		2	SMD RESISTOR
8	R8	11kJ	R1608		1	SMD RESISTOR
9	R14	10kF	R1608		1	SMD RESISTOR
10	RN1	47J	ARRAY R3216		1	ARRAY SMD RESISTOR
11	C1	10uF/35V	C3225		1	CERAMIC CAP
12	C2	2.2nF/50V	C1608		1	CERAMIC CAP
13	C3	0.1uF/50V	C1608		1	CERAMIC CAP
14	C4	10nF/50V	C1608		1	CERAMIC CAP
15	C5	100uF/16V	C7343		1	TANTAL CAPACITOR
16	C6	4.7uF/10V	C2012		1	CERAMIC CAP
17	C7	0.1uF	C1608		1	CERAMIC CAP
18	D1	1N4148WS	SOD323		1	DIODE
19	D2	MBRS540T3	SMC		1	SCHOTTKY DIODE
20	ZD1	SM6T33CAY	SMB		1	TVS DIODE 33V
21	ZD2	RD5.6S	DSMM		1	ZENER DIODE 5.6V
22	ZD3	RD10S	DSMM		1	ZENER DIODE 47V
23	ZD4, ZD5	RD36S	DSMM		2	ZENER DIODE 47V
24	ZD6	RD16S	DSMM		1	ZENER DIODE 47V
25	LED1	NC	LED-1608		4	NOT-SMD
26	LED2	3FG2HD-T1		RED LED	1	BOARD MOUNT LED
27	F1	1812L110/33	1812L		1	POLY FUSE(HOLD 1.1A, MAX 33V)
28	IC1, IC2	NTMD5838NL	SO08		2	DUAL CHANNEL N-CH MOS FET
29	IC3, Q2	CXDM4060P	SOT89		2	P-CH MOS FET
30	IC4	AOZ1284PI	S08-EP1		1	SWITCHING REGULATOR
31	L1	22uH	SHP1260P-F		1	POWER INDUCTOR
32	Q1, Q3	DTC114EUA	SC59-BEC		2	NPN Bias Resistor Transistor
33	X1		2.54mm DUAL *40PIN, 12mm		1	2.54mm DUAL PIN HEADER SOCKET 12mm
34	J1		DC-005		1	DC JACK φ5.5mm
35	JP2, JP4, JP5	ECH350R-02	3.5mm PITCH 2PIN		3	DINKLE PINHEADER 2PIN
36	JP3	3*3, 2.54mm	2.54mm PIN HEADER	PIN HEADER 3*3	1	3*3, 2.54mm RIGHT ANGLE PIN HEADER
37	JP1	ECH350R-04	3.5mm PITCH 3PIN		1	DINKLE PINHEADER 4PIN
38		EC350V-02			3	DINKLE CONNECTOR 2PIN
39		EC350V-04			1	DINKLE CONNECTOR 4PIN
40	TFT LCD				1	3.5 INCHI RASPBERRY LCD(320*480)
41	PCB SUPPORT	15mm			4	PCB SUPPORT M2
42	PCB SUPPORT	18mm			4	PCB SUPPORT M2

X1

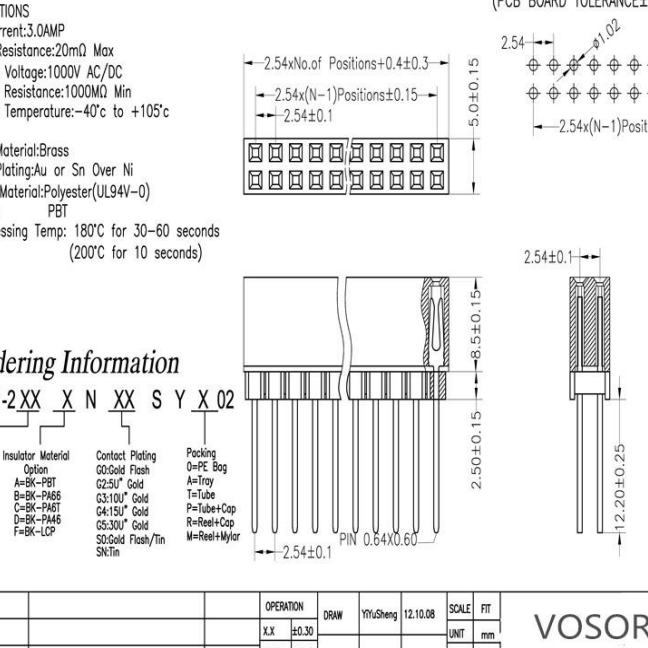
HSF RoHS 

SPECIFICATIONS
 Rated Current: 3.0AMP
 Contact Resistance: 20mΩ Max
 Withstand Voltage: 1000V AC/DC
 Insulation Resistance: 1000MΩ Min
 Operation Temperature: -40°C to +105°C

Ordering Information
 2285D1-2 XX X N XX S Y X 02

Legend:
 No. of Pins Per Row: 140
 Insulator Material Option:
 A=BK=PBT
 B=BK=PA66
 C=BK=PA6T
 D=BK=PA46
 F=BK=LOP
 Contact Plating Option:
 G2=5U" Gold
 G3=10U" Gold
 G4=15U" Gold
 G5=30U" Gold
 SD=Gold Flash/Tin
 SN/Tin
 Packing:
 O=PE Bag
 A=Tray
 T=Tube
 P=Tube+Cap
 R=Reel+Cap
 M=Reel+Mylar

Recommended P.C.B Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



Top View Dimensions:
 - Pitch: 2.54mm
 - Pin Spacing: 2.54xN-1 Positions ±0.15mm
 - Total Width: 2.54xN-1 Positions ±0.15mm
 - Pin Diameter: Ø1.02mm
 - Pin Spacing: 2.54mm

Side View Dimensions:
 - Pin Height: 8.54 ± 0.15mm
 - Pin Diameter: Ø1.02mm
 - Pin Spacing: 2.54 ± 0.1mm
 - Pin Diameter: Ø1.02mm
 - Pin Spacing: 2.54mm

Cross-sectional View Dimensions:
 - Pin Diameter: Ø1.02mm
 - Pin Spacing: 2.54 ± 0.1mm
 - Pin Diameter: Ø1.02mm
 - Pin Spacing: 2.54mm

OPERATION	DRAWN	YH/Sheng	12.10.08	SCALE	FT
XX ±0.30				UNIT	mm
XXX ±0.20	CHECK			SIZE	A4
XXXX ±0.10				SHEET	1/1
Angle ±3°	APPROVE			PROL	☑
DIM	TOL				

REV	DATE	MODIFICATION DESCRIPTION	CHANGE
1	2012.10.08	NEW DRAWING	

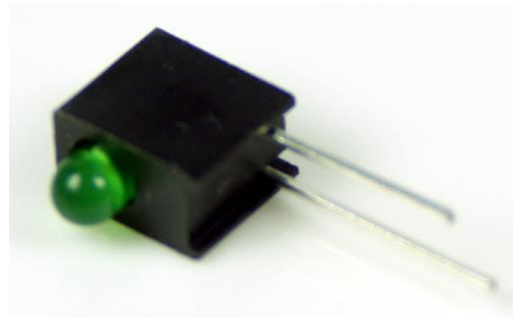
VOSORON

PART NO. 2285D1-2XXNXXSX02

TITLE: 2.54PF H8.5mm+H2.5mm 2x1pin 180° W5.0mm PC104

LED2

LED LAMP						
Part Number	Emitting Color	VF(v) IF=20mA Typ ~ Max	Lens-color	Wave Length (nm)	Luminous Intensity [IF=20mA(mcd) Min ~ Typ	Angle 2 θ 1/2
3 mm LED						
<p>Technical drawing of a 3mm LED lamp. The top view shows a rectangular package with a circular lens in the center. Dimensions include a total length of 7.5, a lens diameter of 3, and a mounting tab width of 1.5 TYP. The side view shows a height of 4.6 and a mounting tab height of 3.8. A symbol for a 3mm LED is shown on the left.</p>						
3CR2HD -T1	Red	1.70-1.95	Red Diffused	642-645	45.0-65.0	40
3CR2ST -T1	Red	1.70-1.95	Red Transparent	642-645	200-220	20
3CG2HD -T1	Green	2.00-2.40	Green Diffused	568-573	40.0-60.0	40
3CG2HT -T1	Green	2.00-2.40	Green Transparent	568-573	180-200	20
3CY2HD -T1	Yellow	1.90-2.40	Yellow Diffused	585-590	60.0-80.0	40
3CY2HT -T1	Yellow	1.90-2.40	Yellow Transparent	585-590	150-200	20
3CO2HD -T1	Orange	1.90-2.40	Orange Diffused	600-610	45.0-65.0	40



JP3



http://www.littelfuse.com/products/resettable-ptcs/surface-mount/1812l/1812l110_33.aspx

<http://huijia-tech.com/upload/1230002737x-636397003.pdf>

<https://www.aliexpress.com/item/2PCS-2x40-PIN-double-Row-Straight-FEMALE-PIN-HEADER-2-54MM-PITCH-pin-long-12MM-Strip/32868136637.html?spm=a2q0s.9042311.0.0.27424c4dhVsvJY>

<https://www.dinkle.com/kr/terminal/ECH350R-XXP>

<https://www.aliexpress.com/item/5Pcs-Gold-Plated-Pitch-2-54mm-3x40-Pin-120-Pin-Right-Angle-Male-Pin-Header-Strip/32702387665.html?spm=a2q0s.13010208.99999999.260.482a3c00hLwTMT>

<https://www.aliexpress.com/item/2PCS-2x40-PIN-double-Row-Straight-FEMALE-PIN-HEADER-2-54MM-PITCH-pin-long-12MM-Strip/32868136637.html?spm=a2q0s.9042311.0.0.27424c4dhVsvJY>
<https://www.dinkle.com/en/terminal/EC350V-XXP>

<https://www.aliexpress.com/item/Free-shipping-LCD-module-Pi-TFT-3-5-inch-320-480-Touchscreen-Display-Module-TFT-for/3223352>

[?2592.html?spm=a2g0s.9042311.0.0.5f7c4c4dNYOjiv](#)