				Part Identification						Customer Information			Quantity
#	Part ID / Reference (Required)	Manufacturer	Part / Order Number (Required)	Description	Value (Required)	Package (Required)	THT (y/n)	Pins / Pads	(Digikey) Source/Link/ Datasheet/Note	Digikey (THT)	Source / Target Price	Quantity per BOM (Required)	
1	C1, C2, C3, C6	Any		CAP CER 0.1UF 10V 10% X7R 0603		0603	n	2	399-1095-1-ND			4
2	C4	Any		CAP CER 10UF 10V 10% X7R 0805		0805	n	2	490-10517-1-ND			1
3	D2	Fairchild Semi	MBR1020VL	DIODE SCHOTTKY 20V 1A SOD123F		SOD-123F	n	2	MBR1020VLCT-ND			1
4	IC1	TI	SN74AHCT245PWR	IC BUS TRANSCEIVER 8BIT 20TSSOP		TSSOP-20	n	20	296-1118-1-ND	296-1476-5-ND		1
5	IC2	TI	SN74AHCT373PWR	IC OCT TRNSP D-TYP LATCH 20TSSOP		TSSOP-20	n	20	296-4741-1-ND	296-4740-5-ND		1
6	IC3, IC4	TI	SN74AHCT1G08DBVR	IC GATE AND 1CH 2-INP SOT-23-5		SOT-23-5	n	5	296-1113-1-ND	296-4647-5-ND		2
7	IC6	ON Semi	MC74ACT153DG	IC MUX DUAL 4INPUT HS 16-SOIC		16-SOIC	n	16	MC74ACT153DGOS-ND	296-4258-5-ND		1
8	U1	Amphenol	101-00660-68-6	microSD Socket			n	12	101-00660-68-6-1-ND			1
9	J1, J2	Samtec	HLE-119-02-F-DV-BE	2x19 SMT 0.1" Socket, ~3.8mm height			n	28				2
10	J3	SOYA	10cm cable with JST-SM pin	10cm cable with JST-SM socket, RED-YELLOW-GREEN-BLACK color sequence, 20#			y	4				1
11	J4	Samtec	HLE-110-02-F-DV-BE	2x10 SMT 0.1" Socket, ~3.8mm height			n	20				1
12	R2	Any		RES SMD 47K OHM 1% 1/10W 0603		0603	n	2				1
13	Antistatic Bag			Thickness:0.075MM; Outter size:80*120MM; Inner size:70*110MM;								1
14	Label		"SmartLED Shield for Teens	Sticker Label	50mm x 70mm							1
15	JST-SM Pin Cable	SOYA		10cm cable with JST-SM pin,RED-YELLOW-GREEN-BLACK color sequence,20#								1
16	Pin Header	4UCON	18072	2x8 0.1" pins, 5.73mm long above, 7.73mm long below								1
	DNP											
	R1											