BOM

	BOM quantity (Required)	500	PCB/Project Name	SmartLED_Teensy4_V5							
				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	Source / Target Price	Quantity per BOM (Required)
1	C1, C2, C3	Any		CAP CER 0.1UF 10V 10% X7R 0603		0603	n	2	399-1095-1-ND		3
2	C4	Any		CAP CER 10UF 10V 10% X7R 0805		0805	n	2	490-10517-1-ND		1
3	D1	ON Semi	MBR0520LT3G	DIODE SCHOTTKY 20V 500MA SOD123		SOD123	n	2	MBR0520LT3GOSCT-ND		1
4	IC1	TI	SN74AHCT245PWR	IC BUS TRANSCEIVER 8BIT 20TSSOP		TSSOP-20	n	20	296-1118-1-ND		1
5	IC2	TI	SN74AHCT374PWR	IC D-TYPE POS TRG SNGL 20TSSOP		TSSOP-20	n	20	296-4746-1-ND		1
6	IC3	TI	SN74AHCT08PWR	IC GATE AND 4CH 2-INP 14TSSOP		TSSOP-14	n	14	296-1107-1-ND		1
7	J1, J2	Samtec	HLE-114-02-F-DV-BE	2x14 SMT 0.1" Socket, ~3.8mm height			n	28			2
8	J3	SOYA	10cm cable with JST-SM pin	10cm cable with JST-SM socket, RED-YELLOW-GREEN-BLACK color sequence, 20#			y	4			1
9	J4	Samtec	HLE-110-02-F-DV-BE	2x10 SMT 0.1" Socket, ~3.8mm height			n	20			1
10	R1	Any		RES SMD 47K OHM 1% 1/10W 0603		0603	n	2			1
12	Antistatic Bag			Thickness:0.075MM; Outter size:80*120MM; Inner size:70*110MM;							1
13	Label		SmartLED Shield for Teensy	Sticker Label	50mm x 70mm						1
14	JST-SM Pin Ca	SOYA		10cm cable with JST-SM pin,RED-YELLOW-GREEN-BLACK color sequence,20#							1
15	Pin Header 2x8	4UCON	18072	2x8 0.1" pins, 5.73mm long above, 7.73mm long below							1
16	Pin Header 1x14			1x14 0.1" pins, ~5.84mm long above, ~2.54mm long below, gold plating							2
17	Label 25 Pack		SmartLED Shield for Teensy	Sticker Label							1/25
	DNP										
	C5										
	R2										