## 10G LR SFP+ Reference Design BOM

Line No	Qty	Value	Ref Des	Package_Case	Temp Coeff_Power	Tolerance (%)
1	21	0.1μF	C1-C6, C9, C14, C15, C17, C19, C21, C22, C23, C25, C26, C29, C30-C33	0201	X5R	10
2	1	DNI	C18	DNI	DNI	0
3	6	0.1µF special	C8, C11, C13, C16, C20, C27	0403 _ handsolder	X7R	10
4	4	2.2µF	C7, C10, C12, C28	0402	X5R	10
5	1	4.7µF	C24	0402	X5R	20
6	1	10μF	C34	0402	X5R	20
7	2	DNI	R27, R28	DNI	DNI	0
8	4	475	R3, R6, R20, R21	0201	1/20W	1
9	1	806	R18	0201	1/20W	1
10	5	4.99k	R1, R2, R8, R9, R19	0201	1/20W	1
11	6	10.0K	R11, R15, R22, R24, R25, R26	0201	1/20W	1
12	4	DNI	R4, R5, R12, R13	DNI	DNI	0
13	1	28.7k	R14	0201	1/20W	1
14	3	120	L1, L3, L5	0402	1.5A	
15	4	47UH	L2, L4, L14, L15	0603	35mA	20
16	4	1.0k	L8, L9, L10, L11	0201	125mA	
17	1	DNI	JMP1	DNI	DNI	0
18	1	DNI	P1	DNI	DNI	0
19	1	TPS82693SIP	U1	SIP-8		
20	1	MSP430FR5728	U2	VQFN (RGE) 24		
21	1	ONET1151P	U3	16-QFN		
22	1	ONET1151L	U4	QFN-24		
23	1	DNI	U5	DNI	DNI	0
24	1	DNI	U6	DNI	DNI	0

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Voltage Rating	Part Category	Manufacturer	Manufacturer Part No
10V	Capacitors	Taiyo Yuden	LMK063BJ104KP-F
DNI	Undefined Category	DNI	DNI
10V	Capacitors	American Technical Ceramics	545L104KT
10V	Capacitors	Murata Electronics North America	C1005X5R1A225K
10V	Capacitors	TDK Corporation	C1005X5R1A475M
6.3V	Capacitors	Murata Electronics North America	GRM155R60J106ME44D
DNI	Undefined Category	DNI	DNI
	Resistors	Vishay Dale	CRCW0201475RFKED
	Resistors	Panasonic Electronic Components	ERJ-1GEF8060C
75V	Resistors	Venkel	CR0201-20W-4991FT
75V	Resistors	Venkel	CR0201-20W-1002FT
DNI	Undefined Category	DNI	DNI
	Resistors	Panasonic Electronic Components	ERJ-1GEF2872C
	Filters	Murata Electronics North America	BLM15EG121SN1D
	Inductors_Coils_Chokes Filters	TDK Corporation Murata Electronics North America	GLFR1608T470M-LR BLM03HG102SN1D
DNI DNI	Undefined Category Undefined Category Integrated Circuits Integrated Circuits Integrated Circuits Integrated Circuits	DNI DNI Texas Instruments Texas Instruments Texas Instruments Texas Instruments	DNI DNI TPS82693SIPR MSP430FR5728IRGER ONET1151P ONET1151L
DNI	Undefined Category Undefined Category	DNI	DNI
DNI		DNI	DNI

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