

Manufacturer BOM Report

Item Number: 750-27556
Description: SUB ASSEMBLY, SCHEMATIC PARTS, 700-27556, X-FREEDOM-
KL25Z
Item Revision: D ECO38295
Sites: ALL

Level	Subclass	Number	Rev	Description	Find Num	Qty	Ref Des	Sites
	Mfr. Name	Mfr. Part Number	Mfr Part Status / Mfr. Part Lifecycle Phase	Preferred Status	Reference Notes	Sites		
0	Part	750-27556	D ECO38295	SUB ASSEMBLY, SCHEMATIC PARTS, 700-27556, X-FREEDOM- KL25Z				ALL
. 1	CADPart	150-75266	A1 MO0038776	CAP CER 22PF 50V 5% COG 0402	0	2	C16,C19	
	AVX	04025A220JAT2A	ROHS Active	Preferred				
	KEMET	C0402C220J5GAC	ROHS Active	Alternate				
	MURATA	GRM1555C1H220J201D	Active	Alternate				
	VENKEL COMPANY	C0402COG500-220JNE	ROHS Active	Alternate				
. 1	CADPart	150-75634	A1 MO0038779	CAP CER 0.1UF 10V 10% X5R 0402	0	7	C8-C11,C13,C20,C22	
	AVX	04022D104KAT2A	ROHS Active	Alternate				
	JOHANSON DIELECTRICS	100R07X104KV4T	ROHS Active	Alternate				
	KEMET	C0402C104K8PAC	ROHS Active	Preferred				
	MURATA	GRM155R61A104KA01D	ROHS Active	Alternate				
	TDK	C1005X5R1A104KB	Active	Alternate				
. 1	CADPart	150-75772	A1 MO0038779	CAP CER 1.0UF 10V 10% X5R 0402	0	7	C3,C5,C6,C12,C14,C15,C17	
	CAL-CHIP	GMC04X5R105K10NT-LF	Active	Alternate				
	MURATA	GRM155R61A105KE15D	ROHS Active	Alternate				
	YAGEO AMERICA	CC0402KRX5R6BB105	ROHS Active	Preferred				
. 1	CADPart	150-78564	A MO0038789	CAP CER 2.2uF 10V 10% X7R 0603	0	3	C7,C21,C24	
	MURATA	GRM188R71A225KE15D	ROHS Active	Preferred				
	SMEC	MCCB225K1NRTF	ROHS Active	Alternate				
	Yageo	CC0603KRX7R6BB225	Active	Alternate				
. 1	CADPart	150-78609	A MO0038789	CAP CER 10UF 10V 20% X5R 0603	0	4	C1,C2,C4,C18	
	TAIYO YUDEN	LMK107BJ106MALTD	Active	Preferred				
	TDK	C1608X5R1A106M	ROHS Active	Alternate				
	VENKEL COMPANY	C0603X5R100-106MNP	ROHS Active	Alternate				
. 1	CADPart	180-30021	A MO0038792	IND FER BEAD 330OHM@100MHZ 2.5A -- SMT	0	4	L1-L4	
	Shenzhen Sunlord Electronics Co., Ltd	UPZ2012E331-2R5TF	ROHS Active	Alternate				
	TDK	MPZ2012S331A	ROHS Active	Preferred				
. 1	CADPart	210-77612	A ECO31953	TEST POINT PAD 035-018MIL TH, NO PART TO ORDER	0	3	TP3-TP5	
. 1	CADPart	211-76642	A ECO32207	TEST POINT PAD 30MIL DIA SMT, NO PART TO ORDER	0	23	TP1,TP2,TP7-TP20,TP22-TP28	
. 1	CADPart	211-79254	A ECO37628	CON 5 USB_MINI_B_RECEPTACLE RA SMT 0.8MM 168H AU	0	2	J5,J7	
	TE Connectivity Ltd	1734035-2	Active	Preferred				
. 1	CADPart	230-77754	A MO0038843	XTAL 8MHZ 20PPM PAR 18PF ESR 2000HM SMT	0	2	Y1,Y2	
	ABRACON CORPORATION	ABM38-8.000MHZ-B2-T	ROHS Active	Preferred				
. 1	CADPart	312-79933	A1 MO0038876	IC BUF QUAD TS 1.2-3.6V SSOP14	0	1	U4	
	NXP SEMICONDUCTORS	74LVC125ADB	ROHS Active	Preferred				
. 1	CADPart	312-80039	A MO0038878	IC VREG LDO 1A 3.3V SOT223	0	1	U1	

	ON SEMICONDUCTOR	NCP1117ST33T3G	Active	Preferred			
. 1	CADPart	315-79075	A SOR-02048	IC 3-AXIS DIG ACCELEROMETER 14/8BIT 1.95-3.6V QFN16	0	1	U7
	FREESCALE SEMICONDUCTOR	MMA8451QR1	Active	Alternate			
	FREESCALE SEMICONDUCTOR	MMA8451QT	Active	Preferred			
	FREESCALE SEMICONDUCTOR	PMMA8451QT	Active	Alternate			
. 1	CADPart	344-01231	A MCO31752	IC MCU FLASH 128KB 50MHZ 1.71-3.6V QFN32	0	1	U6
	FREESCALE SEMICONDUCTOR	MK20DX128VFM5	Active	Preferred			
	FREESCALE SEMICONDUCTOR	PK20DX128VFM5	ROHS Active	Alternate			
. 1	CADPart	344-01332	A MCO31754	IC MCU MEM FLASH --- -- LQFP80	0	1	U3
	FREESCALE SEMICONDUCTOR	MKL25Z128VLK4	Active	Preferred			
	FREESCALE SEMICONDUCTOR	PKL25Z128VLK4	ROHS Active	Alternate			
. 1	CADPart	370-76565	A MCO31699	LED GRN SGL 20MA 0603	0	1	D4
	OSRAM	LG L29K-G2J1-24-Z	ROHS Active	Preferred			
. 1	CADPart	370-76567	A MCO31699	LED RED BL GRN SGL 50/25/25mA SMT	0	1	D3
	Cree, Inc	CLV1A-FKB-CJ1M1F1BB7R4S3	ROHS Active	Preferred			
. 1	CADPart	470-30297	A MO0038926	RES MF 220 OHM 1/10W 5% 0603	0	4	R7,R8,R11,R12
	KOA SPEER	RK73B1JTTD221J	ROHS Active	Preferred			
	YAGEO AMERICA	RC0603JR-07220RL	ROHS Active	Alternate			
. 1	CADPart	470-75407	A1 MO0038942	RES MF ZERO OHM 1/10W -- 0603	0	1	R24
	BOURNS	CR0603J/000ELF	ROHS Active	Alternate			
	CAL-CHIP	RM06J000CT-LF	ROHS Active	Alternate			
	KOA SPEER	RK7321JTTD	ROHS Active	Alternate			
	LIKET CORPORATION	0603000J	ROHS Active	Alternate			
	PANASONIC	ERJ-3GEY0R00V	ROHS Active	Alternate			
	SAMSUNG	RC1608J000CS	ROHS Active	Alternate			
	SKYMOS	RC-0603-000JT	ROHS Active	Alternate			
	THYE MING TECH CO LTD	CR-03JL7----OR	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-000T	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW0603000020EA	ROHS Active	Preferred			
	WALSIN TECHNOLOGY CORP.	WR06X000PTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0603FR-070RL	ROHS Active	Alternate			
. 1	CADPart	470-75410	A MO0038942	RES MF 10K 1/10W 5% 0603	0	7	R4,R9,R15,R19-R21,R23
	BOURNS	CR0603-JW-103ELF	ROHS Active	Alternate			
	KOA SPEER	RK73B1JTTD103J	ROHS Active	Preferred			
	LIKET CORPORATION	0603103J	ROHS Active	Alternate			
	SMEC	RC73L2C103JTF	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-103JT	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW060310K0JNEA	ROHS Active	Alternate			
	WALSIN TECHNOLOGY CORP.	WR06X103JTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0603JR-0710KL	ROHS Active	Alternate			
. 1	CADPart	470-75412	A MO0038942	RES MF 1.0K 1/10W 5% 0603	0	2	R5,R6
	BOURNS	CR0603-JW-102ELF	ROHS Active	Alternate			
	KOA SPEER	RK73B1JTTD102J	ROHS Active	Alternate			
	LIKET CORPORATION	0603102J	ROHS Active	Alternate			
	PANASONIC	ERJ3GEYJ102V	ROHS Active	Alternate			
	SMEC	RC73L2C102JTF	ROHS Active	Alternate			

	VENKEL COMPANY	CR0603-10W-102JT	ROHS Active	Preferred			
	VISHAY INTERTECHNOLOGY	CRCW06031K00JNEA	ROHS Active	Alternate			
	WALSIN TECHNOLOGY CORP.	WR06X102JTL	ROHS Active	Alternate			
. 1	CADPart	470-75414	A MO0038942	RES MF 4.7K 1/10W 5% 0603	0	4	R10,R16-R18
	BOURNS	CR0603-JW-472ELF	ROHS Active	Alternate			
	KOA SPEER	RK73B1JTTD472J	ROHS Active	Alternate			
	LIKET CORPORATION	0603472J	ROHS Active	Alternate			
	PANASONIC	ERJ3GEYJ472V	ROHS Active	Alternate			
	SKYMOS	RC-0603-472JT	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-472JSNT	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-472JT	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW06034K70JNEA	ROHS Active	Preferred			
	WALSIN TECHNOLOGY CORP.	WR06X472JTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0603JR-074K7L	ROHS Active	Alternate			
. 1	CADPart	470-75790	A1 MO0038945	RES MF 33.0 OHM 1/16W 1% 0402	0	4	R1,R2,R13,R14
	BOURNS	CR0402FX33R0GLF	ROHS Active	Alternate			
	THYE MING TECH CO LTD	CR-02FL6---33R	ROHS Active	Preferred			
	WALSIN TECHNOLOGY CORP.	WR04X33R0FTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0402FR-0733RL	Active	Alternate			
. 1	CADPart	470-80202	A ECO31860	SOLDER SHORT 0805 SMT NO PART TO ORDER	0	1	SH1
. 1	CADPart	480-77944	A MO0038978	DIODE SCH DUAL CC 200MA 30V SOT23	0	3	D1,D2,D5
	FAIRCHILD	BAT54C	ROHS Active	Preferred			
. 1	CADPart	480-78313	A MCO31699	DIODE ESD 2LINE 5V SOT23	0	2	U2,U8
	VISHAY INTERTECHNOLOGY	GSOT05C-GS08	Active	Preferred			
. 1	CADPart	510-77835	A ECO35426	ELECTRODE SLIDER 4 TRIANGLE, NO PART TO ORDER	0	1	E1
. 1	CADPart	510-77858	A MCO31699	SW SPST NO 0.05A 12V SMD	0	1	SW1
	PANASONIC	EVQPE105K	Active	Preferred			
. 1	CADPart	150-75266	A1 MO0038776	CAP CER 22PF 50V 5% COG 0402	1501	0	C23,C25
	AVX	04025A220JAT2A	ROHS Active	Preferred			
	KEMET	C0402C220J5GAC	ROHS Active	Alternate			
	MURATA	GRM1555C1H220JZ01D	Active	Alternate			
	VENKEL COMPANY	C0402C0G500-220JNE	ROHS Active	Alternate			
. 1	CADPart	210-78860	A MO0038815	CON 2X8 SKT TH 100MIL SP 335H AU 104L	2101	0	J1,J9
	SAMTEC	SSW-108-01-G-D	ROHS Active	Alternate			
	SAMTEC	SSW-108-01-S-D	Active	Preferred			
. 1	CADPart	210-80119	A ECO36851	CON 2X10 SKT TH 100MIL CTR 340H AU 104L	2102	0	J2
	SAMTEC	SSW-110-01-G-D	ROHS Active	Preferred			
. 1	CADPart	210-75439	A1 MO0038806	HDR 1X2 TH 100MIL SP 339H AU 98L	2103	0	J3,J4,J11
	3M	929647-01-02-EU	ROHS Active	Alternate			
	ANYTRONIC CORPORATION LIMITED	090021S02015-2LF	Active	Alternate			
	ANYTRONIC CORPORATION LIMITED	090021S02018-2LF	ROHS Active	Alternate			
	FCI	77311-801-02LF	ROHS Active	Alternate			
	SAMTEC	HTSW-102-07-G-S	ROHS Active	Alternate			
	SAMTEC	HTSW-102-07-SM-S	Active	Alternate			
	SAMTEC	TSW-102-07-G-S	ROHS Active	Preferred			
	SAMTEC	TSW-102-07-S-S	Active	Alternate			

. 1	CADPart	210-07961-00	A MO0038803	CONN,HEAD,2X5,STR,50/50 CON-2RH-10-50	2104	0	J6,J8
	SAMTEC	FTS-105-01-F-D	ROHS Active	Preferred			
. 1	CADPart	210-80123	A ECO36963	CON 2X6 SKT TH 100MIL CTR 340H AU 104L	2105	0	J10
	SAMTEC	SSW-106-01-G-D	Active	Preferred			
. 1	CADPart	210-75685	A1 MO0038807	TEST POINT WHITE 40 MIL DRILL 180 MIL TH 109L	2106	0	TP6
	COMPONENTS CORPORATION	TP-105-01-09	ROHS Active	Preferred			
	KEystone ELECTRONICS	5002	ROHS Active	Alternate			
	KOBICONN	151-201-RC	ROHS Active	Alternate			
. 1	CADPart	470-75407	A1 MO0038942	RES MF ZERO OHM 1/10W -- 0603	4701	0	R3
	BOURNS	CR0603J/000ELF	ROHS Active	Alternate			
	CAL-CHIP	RM06J000CT-LF	ROHS Active	Alternate			
	KOA SPEER	RK7321JT TD	ROHS Active	Alternate			
	LIKET CORPORATION	0603000J	ROHS Active	Alternate			
	PANASONIC	ERJ-3GEY0R00V	ROHS Active	Alternate			
	SAMSUNG	RC1608J000CS	ROHS Active	Alternate			
	SKYMOS	RC-0603-000JT	ROHS Active	Alternate			
	THYE MING TECH CO LTD	CR-03JL7----0R	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-000T	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW06030000Z0EA	ROHS Active	Preferred			
	WALSIN TECHNOLOGY CORP.	WR06X000PTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0603FR-070RL	ROHS Active	Alternate			
. 1	CADPart	470-75410	A MO0038942	RES MF 10K 1/10W 5% 0603	4702	0	R22
	BOURNS	CR0603-JW-103ELF	ROHS Active	Alternate			
	KOA SPEER	RK73B1JT TD103J	ROHS Active	Preferred			
	LIKET CORPORATION	0603103J	ROHS Active	Alternate			
	SMEC	RC73L2C103JTF	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-103JT	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW060310K0JNEA	ROHS Active	Alternate			
	WALSIN TECHNOLOGY CORP.	WR06X103JTL	ROHS Active	Alternate			
	YAGEO AMERICA	RC0603JR-0710KL	ROHS Active	Alternate			
. 1	CADPart	470-75846	A1 MO0038947	RES MF 1.0M 1/10W 5% 0603	4703	0	R25
	BOURNS	CR0603-JW-105ELF	Active	Preferred			
	KOA SPEER	RK73B1JT TD105J	ROHS Active	Alternate			
	KOA SPEER	RK73B1JT TP105J	Active	Alternate			
	PANASONIC	ERJ3GEY105V	ROHS Active	Alternate			
	VENKEL COMPANY	CR0603-10W-105JT	ROHS Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW06031M00JNEA	Active	Alternate			
	VISHAY INTERTECHNOLOGY	CRCW06031M00JNEC	ROHS Active	Alternate			
	WALSIN TECHNOLOGY CORP.	WR06X105JTL	ROHS Active	Alternate			
. 1	CADPart	750-77350	A ECO38130	SUBASSEMBLY IC FLASH 16MBIT 2.5-3.6V SOIC8 + IC FLASH 16MBIT 85MHZ 2.5-3.6V SOIC8	7501	0	U5
.. 2	CADPart	342-00456	A MO0038915	OBSOLETE USE 342-00525 IC FLASH 16MBIT 2.5-3.6V SOIC8	0	0	
.. 2	CADPart	342-00525	A MCO31699	IC FLASH 16MBIT 85MHZ 2.5-3.6V SOIC8	0	1	
	ATMEL	AT45DB161E-SSHD-T	Active	Preferred			
. 1	CADPart	801-76130	A MCO31699	HOLDER BATTERY 20MM DIA TH	8001	0	BT1
	KEystone ELECTRONICS	3003	ROHS Active	Preferred			