

Bill of Materials for Quotation - Uncontrolled Copy



Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
PCB	PCB0108	PCB PBS 440AWZ950-V2A	TBD	1	PURE ELECTRONICS: 440AWZ950-V2A
RIBBON FOR CON0184	CON0154	RIBBON THER TRANS 110MMx70M NOTCHES B325	ROHS	0.0002	ADE LABELLING: B325 RESIN-OUT WAX-RIBBON (with Notches)
PCB TRACKING LABEL	CON0184	LABEL SEMI-GLOSS WHITE 8x8MM 8-ACROSS	ROHS	1	DYNAMIC ID: TT113 (CORE ID: 25MM)
J2	CTL0030	CONN LD MINI FIT 4P R/A & PEGS MALE 5569	ROHS	1	MOLEX: 39-30-1040; MOLEX: 5569-04
J1	CTL0042	CONN LD MINI FIT 2P R/A & PEGS MALE 5569	ROHS	1	MOLEX: 39-30-1020; MOLEX: 5569-02
J3	CTP0020	CONNECTOR HEADER 6P 3.00MM R/A DIP CP35	ROHS	1	CVILUX: CP35 06 P 1 H 0 D-LF; OMNICONN: OC-500-10011-RA-06
C11, C12, C13, C14, C16, C20	SCC0003	CAPACITOR CERAMIC 100NF 16V X7R 10% 0402	ROHS	6	KEMET: C0402C104K4RAC; AVX: 0402Y C 104 KAT2A; MURATA: GCM155R71C104KA55D; MURATA: GRM155R71C104KA55D; MURATA: GRM155R71C104KA88D
C25	SCC0007	CAPACITOR CER 1PF 50V NPO 0.25PF 0402	ROHS	1	PHYCOMP: 2238 869 15108L; YAGEO: CC0402CRNPO9BN1R0L; VISHAY: VJ0402A 1R0 CXAAT; KEMET: C0402C 109C 5GAC; AVX: 0402 5A 1P0 CAT2A; MURATA: GRM1555C1H1R0CA01D
C33	SCC0009	CAPACITOR CER 3.3PF 50V NPO 0.25PF 0402	ROHS	1	PHYCOMP: 2238 869 15338L; YAGEO: CC0402CRNPO9BN3R3L; VISHAY: VJ0402A 3R3 CXAAT; KEMET: C0402C 339C 5GAC; AVX: 0402 5A 3P3 CAT2A

Bill of Materials for Quotation - Uncontrolled Copy

Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
C23	SCC0013	CAPACITOR CERAMIC 27PF 50V NPO 5% 0402	ROHS	1	PHYCOMP: 2238 869 15279; YAGEO: CC0402JRNPO9BN270; AVX: 0402 5A270JAT2A; KEMET: C0402C270J5GAC
C15, C17, C31, C34	SCC0015	CAPACITOR CERAMIC 100PF 50V NPO 5% 0402	ROHS	4	MURATA: GRM1555C1H101JD01D (OBSOLETE); MURATA: GRM1555C1H101JZ01D (OBSOLETE); MURATA: GRM1555C1H101JA01D; KEMET: C0402C101J5GACTU
C19	SCC0027	CAPACITOR CERAMIC 33PF 50V NPO 5% 0402	ROHS	1	PHYCOMP: 2238 869 15339; YAGEO: CC0402JRNPO9BN330; VISHAY: VJ0402A 330 JXA AT or AC; KEMET: C0402C 330J5GAC; AVX: 0402 5A 330 JAT 1A or 2A; MURATA: GRM1555C1H330JZ01D (OBSOLETE); MURATA: GRM1555C1H330JA01D
C7, C8, C21	SCC0035	CAPACITOR CERAMIC 100NF 25V X7R 10% 0603	ROHS	3	PHYCOMP: 2238 916 15649; YAGEO: CC0603KRX7R8BB104; VISHAY: VJ0603Y104KXXAT; AVX: 06033C104KAT2A; KEMET: C0603C104K3RAC
C5, C9	SCC0066	CAPACITOR CERAMIC 1UF 10V X5R 10% 0603	ROHS	2	PHYCOMP: 2238 246 13663; YAGEO: CC0603KRX5R6BB105; AVX: 0603ZD105 KAT2A; KEMET: C0603C105K8PAC; KEMET: C0603C105K4PAC7867; TAIYO YUDEN: LMK107BJ105KA-T
C2, C3	SCC0074	CAPACITOR CER 100NF 200V X7R 10% 1206	ROHS	2	KEMET: C1206C104K2RAC; MURATA: GRM31CR72E104KW03L; HITANO:1206B104K201N2

Bill of Materials for Quotation - Uncontrolled Copy

Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
C22	SCC0137	CAPACITOR CER 4.7PF 50V NPO 0.25PF 0402	ROHS	1	PHYCOMP: 2238 869 15478L; YAGEO: CC0402CRNPO9BN4R7L; VISHAY: VJ0402A 4R7 CXAAT; KEMET: C0402C 479C 5GAC; AVX: 0402 5A 4R7 CAT2A; MURATA: GRM1555C1H4R7CA01D
C26, C35	SCC0138	CAPACITOR CER 5.6PF 50V NPO 0.5PF 0402	ROHS	2	PHYCOMP: 2238 869 15568L; YAGEO: CC0402DRNPO9BN5R6L; VISHAY: VJ0402A 5R6 DXAAT; KEMET: C0402C 569D 5GAC; AVX: 0402 5A 5R6 DAT2A; MURATA: GRM1555C1H5R6DA01D
C28, C29, C32	SCC0140	CAPACITOR CER 82PF 50V NPO 5% 0402	ROHS	3	YAGEO: CC0402JRNPO9BN820L; MURATA: GRM1555C1H820JZ01D; AVX: 04025A820JAT2A; KEMET: C0402C820J5GAC; SAMSUNG: CL05C820JB5NNNC
C6	SCC0141	CAPACITOR CERAMIC 10UF 16V X7R 10% 1206	ROHS	1	YAGEO: CC1206KKX7R7BB106; KEMET: C1206C106K4RAC; AVX: 1206 YC 106 KA T2A
C10	SCC0142	CAPACITOR CERAMIC 10UF 6.3V X5R 20% 0603	ROHS	1	MURATA: GRM188R60J106ME47D (Murata is the only approved; Manufacturer)
C24, C30	SCC0143	CAPACITOR CERAMIC 150PF 50V NPO 5% 0402	ROHS	2	MURATA: GRM1555C1H151JA01D; KEMET: C0402C151J5GACTU

Bill of Materials for Quotation - Uncontrolled Copy

Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
C18	SCC0144	CAPACITOR CER 2.2PF 50V NPO 0.25PF 0402	ROHS	1	PHYCOMP: 2238 869 15228L; YAGEO: CC0402CRNPO9BN2R2L; VISHAY: VJ0402A 2R2 CXAAT; KEMET: C0402C 229C 5GAC; AVX: 0402 5A 220 CAT2A
C4	SCC0145	CAPACITOR CER 1UF 100V X7R 10% 1206	ROHS	1	YAGEO: CC1206KKX7R0BB105L; KEMET: C1206C 105K1RAC; AVX: 12061C105KAT2A
C27	SCC0148	CAPACITOR CER 7.2PF 50V NPO 0.5PF 0402	ROHS	1	MURATA: GRM1555C1H7R2DA01D
C1	SCC0149	CAPACITOR CER 2.2UF 100V X7R 10% 1206	ROHS	1	AVX: 12061C225KAT2A; MURATA: GRM31CR72A225KA73L
D4	SDR0001	DIODE SINGLE 215MA 75V BAS16 SOT23	ROHS	1	PHILIPS: BAS16; INFINEON: BAS16
D2	SDR0006	DIODE SINGLE 1A 400V S1G DO-214AC	ROHS	1	VISHAY: S1G-E3/5AT; NXP: S1G; DIOTEC: S1G; FAIRCHILD: S1G
ZD1	SDZ0009	DIODE ZENER 6.8V 0.5W 5% MMSZ4692 SOD123	ROHS	1	ON SEMICONDUCTOR: MMSZ4692T1G
ZD2, ZD3, ZD5	SDZ0010	DIODE ZENER 4.7V 0.5W 5% MMSZ4V7T SOD123	ROHS	3	ON SEMICONDUCTOR: MMSZ4V7T1G; GENERAL SEMICONDUCTOR: MMSZ5230B; ON SEMI: MMSZ5230BT1G
ZD4	SDZ0022	DIODE ZENER 3.9V 0.5W 5% BZT52C SOD123	ROHS	1	DIODES INC: BZT52C3V9-7-F
Q2	SFP0014	FET P-CH 200V 2.5W -0.67A FQT3P20 SOT223	TBD	1	FAIRCHILD: FQT3P20TF
L14, L17	SIA0042	INDUCT CHIP WW 10NH 650MA 0.11R 2% 0603	ROHS	2	MURATA: LQW18AN10NG00
L8	SIA0043	INDUCT CHIP WW 11NH 650MA 0.11R 2% 0603	ROHS	1	MURATA: LQW18AN11NG00
L10	SIA0047	INDUCTOR CHP WW 22NH 500MA 0.17R 2% 0603	ROHS	1	MURATA: LQW18AN22NG00
L5	SIA0049	INDUCTOR CHP WW 18NH 550MA 0.16R 2% 0603	ROHS	1	MURATA: LQW18AN18NG00
L4, L6	SIA0053	INDUCTOR CHIP 10NH 300MA 0.35R 5% 0402	ROHS	2	MURATA: LQG15HN10NJ02D
L9	SIA0065	INDUCT CHIP WW 13NH 600MA 0.13R 2% 0603	ROHS	1	MURATA: LQW18AN13NG00

Bill of Materials for Quotation - Uncontrolled Copy



Assembly: 440FTZ950-6 PBS PCB V2A SA
 Document Number: 440PLZ950
 Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
L3, L7	SIA0070	INDUCTOR CHIP 100NH 300MA 0.9R 5% 0603	ROHS	2	MURATA: LQG18HNR10J00D; (Murata is the only approved manufacturer)
L11, L12, L13, L15	SIA0071	INDUCT FERR BD 0.25R 100MHZ 500MA 0603	ROHS	4	TDK: MMZ1608B301C
L16	SIA0079	INDUCT CHIP WW 47NH 210MA 1.08R 2% 0402	ROHS	1	MURATA: LQW15AN47NG00D
L2	SIP0034	INDUCT PWR WW 33UH 850MA 1.1R 10% 1812	ROHS	1	WURTH: 744045330
L1	SIP0037	IND PWR SHL 33UH 0.99A 0.17R 20% PIM0603	ROHS	1	EROCORE: PIM0630-330M
LED1	SLA0013	LED RED CLEAR 631NM 2.0x1.25x1.1MM 0805	ROHS	1	LITEON: LTST-C170KRKT
LED2	SLA0016	LED GREEN CLR 571NM 2.0x1.25x1.1MM 0805	ROHS	1	LITEON: LTST-C170KGKT
IC5	SQA0003	IC SMD RF SWITCH DC-3GHZ AS213-92 SC70-6	ROHS	1	SKYWORKS SOLUTIONS: AS213-92LF
IC2	SQA0180	IC SMD MICRO 128K PIC32MX150F TQFP44	ROHS	1	MICROCHIP: PIC32MX150F128D-I/PT
IC4	SQA0182	IC SMD TRANSCVR 142-1050MHZ Si4463 QFN20	ROHS	1	SILICON LABS: Si4463-C2A-GMR (Tape & Reel); SILICON LABS: Si4463-C2A-GM
IC1	SQA0186	IC SMD CONVRT 300MA 3.3V MAX15062 TDFN-8	ROHS	1	MAXIM: MAX15062AATA+
IC3	SQA0193	IC FLASH 4MBIT AT25XE041B SOIC8-150mil	ROHS	1	ADESTO: AT25XE041B-SSHN-T
R2	SRB0005	RESISTOR MF 4.7K W063 1% 0402	ROHS	1	PHYCOMP: 2322 706 74702L; YAGEO: RC0402FR-07 4K7L; VISHAY: CRCW0402 4K70 FNEA; ASJ: CR10-4701FL

Bill of Materials for Quotation - Uncontrolled Copy

Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
R7, R14	SRB0028	RESISTOR MF 1K W063 5% 0402	ROHS	2	PHYCOMP: 2322 706 71002; VISHAY: CRCW0402 1K001 JNEA; VISHAY: CRCW0402 1K001 JNEA e3; VISHAY: CRCW0402 1K001 FNEA; VISHAY: CRCW0402 1K001 FNEA e3; YAGEO: RC0402JR 07 1K L; YAGEO: RC0402FR 07 1K L; ASJ: CR10-1001JL; ASJ: CR10-1001FL; ASJ: CR10-1001JK; ASJ: CR10-1001FK;
R3	SRB0063	RESISTOR MF 120R W063 5% 0402	ROHS	1	PHYCOMP: 2322 705 71201L; YAGEO: RC0402JR-07 120RL; VISHAY: CRCW0402 120R JNEA; BOURNS: CR0402-JW-121 G LF
R8, R10	SRB0064	RESISTOR MF 330R W063 5% 0402	ROHS	2	PHYCOMP: 2322 705 73301L; YAGEO: RC0402JR-07 330RL; VISHAY: CRCW0402 330R JNEA; BOURNS: CR0402-JW-331 G LF
R6, R12	SRB0065	RESISTOR MF 3.3K W063 5% 0402	ROHS	2	PHYCOMP: 2322 705 73302L; YAGEO: RC0402JR-07 3K3L; VISHAY: CRCW0402 3301 JNEA; BOURNS: CR0402-JW-3301 G LF
R1	SRB0068	RESISTOR MF 390K W063 1% 0402	ROHS	1	PHYCOMP: 2322 706 73904L; YAGEO: RC0402FR-07 390KL; VISHAY: CRCW0402 390K FNEA; ASJ: CR10-3903FK; BOURNS: CR0402-FX-3903 E LF

Bill of Materials for Quotation - Uncontrolled Copy

Assembly: 440FTZ950-6 PBS PCB V2A SA

Document Number: 440PLZ950

Document Version: 6B

RoHS Compliant: TBD

Component Reference	Stock Code	Description	RoHS Status	Qty	Manufacturers
R4, R13	SRC0012	RESISTOR MF 33K W1 1% 0603	ROHS	2	PHYCOMP: 2322 704 63303L; VISHAY: CRCW0603 3302 FKEA; YAGEO: RC0603 FR-07 33KL; BOURNS: CR0603-FX-3302 E LF
R5	SRE0034	RESISTOR MF 56R W25 1% 1206	ROHS	1	PHYCOMP: 2322 724 65609L; VISHAY: CRCW1206 56R0 FKEA; YAGEO: RC1206 F R-07 56RL; BOURNS: CR1206-FX-56R0 E LF
Q1	STP0007	TRANSISTOR PNP 300V 350MW MMBTA92 SOT-23	ROHS	1	ST MICRO: MMBTA92
VR1	SVA0001	VARISTOR CAP ULTRA-LOW 16V 20% 0402 VCAS	ROHS	1	AVX: VCASH4AG160R8MA
X1	SXA0021	CRYSTAL SMD 30MHZ 10PF -20+85 GSX-331	ROHS	1	GOLLEDGE: 30MHz GSX-331/X SM 10pF (MP06768); (Golledge is the only approved manufacturer)
SCREEN CAN	SYA0086	RF CAN FLAT V3E 14-MODEL <TBD>	TBD	1	<TBD>
D3	SZA0016	TRANZORB UN-DIR 48V 600W SMBJ48A SMB	ROHS	1	ST MICRO: SMBJ48A-TR
D1	SZA0017	TRANZORB UN-DIR 160V 600W SMBJ160A SMB	ROHS	1	LITTLEFUSE: SMBJ160A
BUZ1, HDR1, R9, R11	ZNEQ	NOT EQUIPPED COMPONENTS	NA	4	NOT APPLICABLE