

EIO	SW	P3	Value	Description	Manufacturer	MFR. #	Mouser #	Dkonly #	Description	SUM	2403609A_Y104	PRE	2403609A_Y103	EIO	2403609A_Y124	SW	2403609A_P12_210418	PS	Remarks	
x			20 pin 2 row (len varies)	Cable, IDC Socket and Cable Assembly, 2.54mm Pitch, -3"-5" length varies	Samtec	HCSD-10-D-06-00-01-N-G	200-HCSD10D060001NG		Ribbon Cables / IDC Cables IDC Socket and Terminal Cable Assemblies, 0.100" Pitch	1	"R INP ... L OUT"	1								Ribbon to Enhanced IO, -3"-5" per case, cheaper elsewhere
x		x	20 pin 2 row 4 varies	Cable, IDC Socket and Cable Assembly, 2.54mm Pitch, length varies	Samtec	HCSD-10-D-18-00-01-N-R	200-HCSD10D180001NR		Ribbon Cables / IDC Cables IDC Socket and Terminal Cable Assemblies, 0.100" Pitch	1	"R INP ... L OUT"	1								Ribbon to Panel Switch, cheaper elsewhere
			100 pF @200V	Capacitor, Ceramic, radial, PCB, 2.54mm LS	TDK	F618C0G2A101JUNT06	810-F618C0G2A101JUNT6		Multilayer Ceramic Capacitors MLCC - Leaded RAD 100V 100pF COG 5% LS 2.5mm	6										
		x	0.047uF @50V	Capacitor, Ceramic, radial, PCB, 5mm LS	TDK	F026C0G1H473JUNT00	100-F026C0G1H473JUNT0		Multilayer Ceramic Capacitors MLCC - Leaded RAD 50V 0.047uF COG 5% LS.5mm	4										
		x	10 pF @200V	Capacitor, Ceramic, radial, PCB, 5mm LS	KEMET	CK05BX100K	80-CK05BX100K		Multilayer Ceramic Capacitors MLCC - Leaded 100V 200V 10% 0.58mm	4										
x			100 uF @35V	Capacitor, Electrolytic, radial, PCB, 10mm dia x 5mm LS	Nichicon	UEF1J101M1PM	647-UEF1J101M1PM		Aluminum Electrolytic Capacitors - Radial Leaded 100uF 63 Volts 20% TOL	2										
x			330 uF @50V	Capacitor, Electrolytic, radial, PCB, 10mm dia x 5mm LS	Panasonic	EEU-FR1H331BL	667-EEU-FR1H331BL		Aluminum Electrolytic Capacitors - Radial Leaded 50VDC 330uF 10x25mm LS 5.0mm	2										
x	x		47 uF @35V	Capacitor, Electrolytic, radial, PCB, 10mm dia x 5mm LS	Nichicon	UES1V470MMP	647-UES1V470MMP		Aluminum Electrolytic Capacitors - Radial Leaded 35volts 47uF	4										
x			220 uF @35V	Capacitor, Electrolytic, radial, PCB, 12.5mm dia x 5mm LS	Nichicon	UES1V221M4MH	647-UES1V221M4MH		Aluminum Electrolytic Capacitors - Radial Leaded 35volts 220uF 85c 12.5x25 SLS	6										
x			470 uF @35V	Capacitor, Electrolytic, radial, PCB, 16mm dia x 7.5mm LS	Nichicon	UES1V471M4MH	647-UES1V471M4MH		Aluminum Electrolytic Capacitors - Radial Leaded 35volts 470uF 85c 16x25 7.5LS	6										
x			1000 uF @50V	Capacitor, Electrolytic, radial, PCB, 20mm dia x 7.5mm LS	Nichicon	UPS1H102MHD	647-UPS1H102MHD		Aluminum Electrolytic Capacitors - Radial Leaded 50volts 1000uF 16x25 20% 7.5LS	2										
			10 uF @35V	Capacitor, Electrolytic, radial, PCB, 6.3mm dia x 2.5mm LS	Panasonic	UES1V100ME	647-UES1V100ME		Aluminum Electrolytic Capacitors - Radial Leaded 35volts 10uF 6.3x11	8										
			47 uF @35V	Capacitor, Electrolytic, radial, PCB, 6.3mm dia x 2.5mm LS	Panasonic	EEU-FV47V0	667-EEU-FV47V0		Aluminum Electrolytic Capacitors - Radial Leaded 47uF 35volts AEC-Q200	1										
x			0.001 uF @50V	Capacitor, Film, Polyethylene, axial, PCB, 6mm dia x 12mm, 5%	Xicon	23PS210	23PS210		Film Capacitors STYRENE 50V .001uF	2										
			0.0018 uF @50V	Capacitor, Film, Polystyrene, axial, PCB, 6mm dia x 12mm, 5%	Xicon	23PS218	23PS218		Film Capacitors STYRENE 50V .0018uF	2										
			0.1 uF	Capacitor, Film, radial, PCB, 5mm LS, 5%	KEMET	R82DC3100AA50J	80-R82DC3100AA50J		Film Capacitors 63V 0.1uF 5% LS-5mm AEC-Q200	4										
			0.1 uF	Capacitor, Film, radial, PCB, 5mm LS, 5%	WIMA	MKP2D031001B00J00	505-MKP2D031001B00J00		Film Capacitors 100V 0.1uF 5% LS-5mm AEC-Q200	15										
x			0.10 uF	Capacitor, Film, radial, PCB, 5mm LS, 5%	WIMA	MKP2D021001B00J00	505-MKP2D021001B00C00		Film Capacitors 01uF 100 Volts 5%	4										
x			0.22 uF	Capacitor, Film, radial, PCB, 5mm LS, 5%	WIMA	MKS2C03201B00J0A00	505-MKS2C03201B00J0A00		Film Capacitors .22uF 63 Volts 5%	8										
x			100 pF	Capacitor, Film, radial, PCB, 5mm LS, 5%	WIMA	FKP2J001001D00J00	505-FKP2J001001D00J00		Film Capacitors 100V 630V 10% PCMS	4										
x		x	8 pin	Connector, DIP Socket, PCB, 8 Pin	Mill-Max	110-0308-41-001000	575-110308		C & Con-Aid Sockets 8P TIN PIN TIN CNT	15										
		x	5mm	Connector, Fuse Block, Cover	Keystone Electronics	534-3527C	534-3527C		Fuse Holder Accessories 5mm VINYL FUSE COVER	1										
		x	5mm	Connector, Fuse Block, PCB	Keystone Electronics	3527	534-3527		Fuse Holder PCB FUSE HOLDER 5MM	1										
x	x	x	20 pin 2 row	Connector, IDC Header, PCB, 20 Pin, 2 Row, Low Profile	TE Connectivity	515103308-5	515103308-5		Headers & Wire Housings HDR VERT DOUBLE 20P low profile	1										
		x	6.4 mm	Connector, Spade, PCB	Keystone Electronics	534-1287-ST	534-1287-ST		Terminals PCB STURD-MNT TERM	1										
		x	3 Position @5.0mm	Connector, Terminal Block, PCB, 3 Position, 5mm	Molex	39543-0003	538-39543-0003		Fixed Terminal Blocks 3KT 5.00MM VERT PCB	2										
		x	2 Position @3.5mm	Connector, terminal, PCB, 2 pos, 3.5mm pitch	Phoenix Contact	1751248	651-1751248		Fixed Terminal Blocks 2P 3.5mm D0EG	1										
x		x	3 Position @3.5mm	Connector, terminal, PCB, 3 pos, 3.5mm pitch	Phoenix Contact	1984620	651-1984620		Fixed Terminal Blocks P1 1.5/3-3.5H 3POS HPZ 3.5mm SCREW	1										
		x	XLR	Connector, XLR, PCB, separate ground, Female	Neutrik	NC3M4AH-2	568-NC3M4AH-2		XLR Connectors 3P FEMALE HOUSING PIN 1 & GRD SEPARATE	4										
		x	XLR	Connector, XLR, PCB, separate ground, Male	Neutrik	NC3MAAH-0	568-NC3MAAH-0		XLR Connectors 3P MALE HORIZ CHASS PANEL BSL	2										
x			diode	Diode, 1N4148	onsemi	1N4148TA	512-1N4148TA		Diodes - General Purpose, Power, Switching Hi Conductance Fast	9										
		x	10A 60V	Diode, MBR1060	Vishay	MBR1060-E345	582-MBR1060-E3		Schottky Diodes & Rectifiers 10 Amp 60 Volt	4										
		x	100 mA	Fuse 100ma						1										
		x	4-40 3/32"	Heat Sink, Machine Screw, Button Head, Phillips	Keystone Electronics	9901	534-9901		Screws & Fasteners .375 4-40 MOUNT SCR	2										
		x	4-40	Heat Sink, Nut	Keystone Electronics	7235-3	534-7235-3		Screws & Fasteners Nut for Jack Screw 7236 7238 7240	2										
		x		Heat Sink, T-220, Thermal Pad	Wakafield-Vette	773-7240A	567-773-7240A		Thermal Interface Products DeltaPads Thermally Conductive Insulators for TO220, 0.007", Grey, Adhesive Back	2										
		x		Heat Sink, TO220, Vertical, 2.67mm Hole, 25.4x34.92x12.7mm	Wakafield-Vette	773-7240A	567-773-7240A		Heat Sinks Heat Sink, TO220, Vertical, 13.4 Degrees C/W, 2.67mm Hole, 25.4x34.92x12.7mm	2										
		x	#4	Heat Sink, Washer, Shoulder, Nylon	Avail	3049	534-3049		Thermal Interfaces SHOULDER WASHER # 4 Nylon 6/6 Black	2										
		x	Dual Op Amp	IC, Dual Op Amp, 8 Pin DIP, LM4562	Texas Instruments	LM4562NANOPB	926-LM4562NANOPB		Operational Amplifiers DUAL HI PERF HI FI AUDIO OP AMP	16										
		x	Op Amp	Operational Amplifier, Low Noise, NE5534AN	Texas Instruments	NE5534AP	595-NE5534AP		Operational Amplifiers - Op Amps Low Noise	2										
		x	5K 10W	Potentiometer, Rotary, Linear, 2 axis, right angle	BOURNS INC	PDB182-K220K-502B	PDB182-K220K-502B		POT 5K 10W 100K CARBON TR	1										
x			DPDPT 12V 2A	Relay, DPDT, PCB, Low Signal, Non Latching	KEMET	EC2-12NU	80-EC2-12NU		Low Signal Relays - PCB 12V 2A Non Latching 2 Form C DPDT	9										
		x	10 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-10R	603-MFR-25FRF52-10R		Metal Film Resistors - Through Hole 10ohm 1/4W 1%	4										
		x	100 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-100R	603-MFR-25FRF52-100R		Metal Film Resistors - Through Hole 100ohm 1/4W 1%	4										
		x	100K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-100K	603-MFR-25FRF52-100K		Metal Film Resistors - Through Hole 100K ohm 1/4W 1%	10										
x		x	10K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-10K	603-MFR-25FRF52-10K		Metal Film Resistors - Through Hole 10K OHM 1/4W 1%	3										
x		x	1K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-1K	603-MFR-25FRF52-1K		Metal Film Resistors - Through Hole 1K OHM 1/4W 1%	8										
x			1K2 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-1K2	603-MFR-25FRF52-1K2		Metal Film Resistors - Through Hole 1.2K OHM 1/4W 1%	2										
x			1K5 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-1K5	603-MFR-25FRF52-1K5		Metal Film Resistors - Through Hole 1.5K OHM 1/4W 1%	2										
x		x	22 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-22R	603-MFR-25FRF52-22R		Metal Film Resistors - Through Hole 22 OHM 1/4W 1%	2										
		x	220K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-220K	603-MFR-25FRF52-220K		Metal Film Resistors - Through Hole 220K OHM 1/4W 1%	2										
		x	22K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-22K	603-MFR-25FRF52-22K		Metal Film Resistors - Through Hole 22K OHM 1/4W 1%	5										
x			2K2 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-2K2	603-MFR-25FRF52-2K2		Metal Film Resistors - Through Hole 2.2K OHM 1/4W 1%	2										
		x	330 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-330R	603-MFR-25FRF52-330R		Metal Film Resistors - Through Hole 330 OHM 1/4W 1%	2										
x			3K3 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-3K3	603-MFR-25FRF52-3K3		Metal Film Resistors - Through Hole 3.3K OHM 1/4W 1%	4										
x			3K6 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-3K6	603-MFR-25FRF52-3K6		Metal Film Resistors - Through Hole 3.6K OHM 1/4W 1%	4										
x			470 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-470R	603-MFR-25FRF52-470R		Metal Film Resistors - Through Hole 470 OHM 1/4W 1%	8										
x	x		47K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-47K	603-MFR-25FRF52-47K		Metal Film Resistors - Through Hole 47K OHM 1/4W 1%	5										
x			560 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-560R	603-MFR-25FRF52-560R		Metal Film Resistors - Through Hole 560 OHM 1/4W 1%	2										
x			56K ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-56K	603-MFR-25FRF52-56K		Metal Film Resistors - Through Hole 56 OHM 1/4W 1%	4										
x			680 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-680R	603-MFR-25FRF52-680R		Metal Film Resistors - Through Hole 680 OHM 1/4W 1%	4										
x			820 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-820R	603-MFR-25FRF52-820R		Metal Film Resistors - Through Hole 820 OHM 1/4W 1%	4										
x			910 ohm	Resistor, Metal Film, 1/4W, 1%, through hole	YAGEO	MFR-25FRF52-910R	603-MFR-25FRF52-910R		Metal Film Resistors - Through Hole 910 OHM 1/4W 1%	2										
		x	5K ohm	Resistor, Trimmer, Resistor multi	Bourns	3296W1-V-502RLF	653-3296W1-V-502RLF		Trimmer Resistors - Through Hole 3/8" 50kOhms Sealed Vertical Adjust	2										
		x	12 pos	Switch, Rotary, 1 gang, 12 Position, PCB	Lorin	CK1059	105M159		Rotary Switches 1POL 12POS PCB	1										
x			DPDPT on-on	Switch, Toggle, DPDT, ON-ON, PCB, Through Hole, Right Angle	CMG Switches	7201MD9AV2BE	611-7201MD9AV2BE		Toggle Switches Toggle DPDT On-On	1										
		x	2x18V @ 15VA	Transformer, Toroidal, Dual, 2 tap, right angle	AMIS, LLC	L01-6354			PWR XFMR TORO 25VDT 18V	1										
		x	NPN 1.5A 80V 12.5W	Transistor, NPN	onsemi	863-BD139G	863-BD139G		Bipolar Transistors - BJT 1.5A 80V 12.5W NPN	3										
x		x	NPN 30V 100mA HFE	Transistor, NPN	onsemi	BC549C7A	512-BC549C7A		Bipolar Transistors - BJT NPN 30V 100mA HFE	3										
		x	PNP 1.5A 80V 12.5W	Transistor, PNP	onsemi	BD140G	863-BD140G		Bipolar Transistors - BJT 1.5A 80V 12.5W PNP	1										
		x	PNP 30V 100mA HFE	Transistor, PNP	onsemi	BC559C7A	512-BC559C7A		Bipolar Transistors - BJT Transistor PNP Epitaxial Silicon	1										
		x	2.5V 100 mA	Voltage Reference, Shunt, Adj 2.2%, TO-92-3, TL7501CLP	Texas Instruments	TL431CLP	595-TL431CLP		Voltage References Adj Shunt	1										
		x	12V 150mA	Voltage Regulator, Linear, Positive Fixed 1 Output, TO-183, TL750L12CLP	Texas Instruments	TL750L12CLP	595-TL750L12CLP		LDO Voltage Regulators 12V 150mA LDO	1										
										1										