





Comment	Description	Designator	Footprint	LibRef	Quantity
	CAP CER 22pF/50V 5% Ceramic Capacitor				1
CAP CER 22pF/50V 5% 0805	X7R 0805 (2012				
			CAP CER 0.1uF/50V	CAP CER 0.1uF/50V	
	22pF/50V 5%	C1, C5	5%	5%	
	Ceramic Capacitor				
	X7R 0805 (2012				
	Metric)				
	CAP CER 0.1uF/50V				
CAP CER 0.1uF/50V 5% 0805	Ceramic Capacitor	C2, C3, C4, C6, C7, C8	CAP CER 0.1uF/50V	CAP CER 0.1uF/50V	
	X7R 0805 (2012	62, 63, 64, 60, 67, 68	5%	5%	
	Metric)				
	CAP CER 0.1uF/50V				
CAP CER 10uF/50V 5%		C9	CAP CER 0.1uF/50V	CAP CER 0.1uF/50V	
0805	X7R 0805 (2012	0,	5%	5%	
	Metric)				
LED-0805	Red 640nm LED				
	Indication - Discrete	D?	LFD-0805	LED-0805	
	1.85V 0805 (2012	D?	LED-0805	LED-0805	
	Metric) APT2012SRCPRV				
	MTSW-105-07-T-S-				
BURGE 5 PIN 2.54mm	048 BURGE 5 PIN	J1, J7, J8	BURGE 5 PIN	BURGE 5 PIN	
BURGE 5 PIN 2.54IIIII	2.54mm	31,37,30	DONGE 31 IIV	DONGE 31 IIV	
	MOLEX,Screw Type,				
2 PIN Terminal Block Connector 5.08 mm BURGE 6 PIN 3X2	Horizontal, 5.08				
	Pitch, 24~12 (AWG),	10.15	2 PIN Terminal Block	2 PIN Terminal Block	1
	Terminal Block	J2, J5	Connector 5.08 mm	Connector 5.08 mm	
	Connector, TB007-508				
	02BE				
	MTSW-103-X-X-D-X				
	BURGE 6 PIN 3X2	J3	BURGE 6 PIN 3X2	BURGE 6 PIN 3X2	
	2.54MM				
BOX HEADER MALE	BOX HEADER MALE	J4	BOX HEADER MALE	BOX HEADER MALE	
3X2 2.54mm	8X2 2.54mm 16 pin		8X2 2.54mm	8X2 2.54mm	
BURGE 2X2 PIN	Connector Header				
	Through Hole 4	J6	BURGE 2X2 pin	4PIN BURGE	
	position 0.100				
	(2.54mm), 2X2 PIN				
RES 0805 10K/0.25W 5%	RESISTOR, THICK				
	FILM, 10K, 5%, 0805,	R1, R17, R18, R19, R20	RES 0805 10K/0.25W	RES 0805 10K/0.25W 5%	
	FRESISTOR, THICK				
	FULL REEL Product Range:PANASONIC -				
	ERJ Series				
	RESISTOR, THICK				
	FILM, 10K, 5%, 0805,				
RES 0805 0E/0.25W 5% RES 0805 120E/0.25W 5%	FRESISTOR, THICK	R2, R3, R4, R5, R6, R7,			
		R8, R9, R10, R11, R12,	RES 0805 10K/0.25W	RES 0805 10K/0.25W	1
	FULL REEL Product	R13, R14, R15, R16	5%	5%	
	Range:PANASONIC -				
	ERJ Series				
	RESISTOR, THICK				
	FILM, 10K, 5%, 0805,				
	FRESISTOR, THICK		DEC COOF ACK IS SELV	DEC OODE 40V (O DELA)	
	FILM, 10K, 5%, 0805,	R21	RES 0805 10K/0.25W	RES 0805 10K/0.25W	
	FULL REEL Product		5%	5%	
	Range:PANASONIC -				1
	ERJ Series	<u></u>	<u> </u>	<u></u>	L
	RESISTOR, THICK				
	FILM, 10K, 5%, 0805,				1
RES 0805 20K/0.25W 5%	FRESISTOR, THICK		RES 0805 10K/0.25W	RES 0805 10K/0.25W	1
		R22	5%	5%	1
	FULL REEL Product		270	570	1
	Range:PANASONIC -				
	ERJ Series				
	RESISTOR, THICK				1
	FILM, 10K, 5%, 0805,				
RES 0805 470E/0.25W	FRESISTOR, THICK		RES 0805 10K/0.25W	RES 0805 10K/0.25W	1
PUSHBUTTON_SMD_6	FILM, 10K, 5%, 0805,	R?	5%	5%	
	FULL REEL Product				
	Range:PANASONIC -				1
	ERJ Series				-
	6.1 x 3.7 mm, 2.5 mm				1
	Actuator Height, 260		DUCUDUTTON CLAS	DUCUDUITTON CASE :	
	gf, Red, Surface Mount, SPST, Tactile	S1	PUSHBUTTON_SMD_6 .1 x 3.7 mm, 2.5 mm	PUSHBUTTON_SMD_6	1
.1 x 3.7 mm, 2.5 mm	Mount, SPS1, Tactile Switch, TS09-63-25-R-		. 1 x 3. / IIIIN, 2.5 mm	.1 x 3.7 mm, 2.5 mm	
	260-SMT-TR				
	Touch Points 0.75mm	TP1. TP2. TP4 TP8			
Touch Points 1mm	to1mm	TP10, TP12, TP4, TP6,	Touch Points 1mm	Touch Points	
	AVR ATMEGA328P-	10, 11 12, 11 _01			1
	AU IC 8-Bit 20MHz				
ATMEGA328P-ALI	32KB (16K x 16) FLASH	U1	ATMEGA328P-AU IC	ATMEGA328P-AU	
	32-TQFP (7x7)				1
	32-TQFP (7x7) MAX485CSA-RS-				1
TQFP-32		U2	MAX485CSA	MAX485CSA	
TQFP-32	MAX485CSA-RS- 485/RS-422	U2	MAX485CSA	MAX485CSA	
ATMEGA328P-AU FQFP-32 MAX485CSA SOIC-8	MAX485CSA-RS- 485/RS-422 Transceivers, SOIC-8	U2	MAX485CSA	MAX485CSA	
VAX485CSA SOIC-8	MAX485CSA-RS- 485/RS-422		MAX485CSA Crystal 16 Mhz SMD 2		
VAX485CSA SOIC-8	MAX485CSA-RS- 485/RS-422 Transceivers, SOIC-8 16 MHz ±30ppm	U2 Y1			