

Penelope Organizer

Item 1		Item 4		Item 7		Item 12	
RES NETWRK 2.2K OHM 8RES 10P SMD EXB-A10P222J		CAP CER .1UF 50V Y5V 0805		CAP CER .39UF 25V 10% X7R 0805		0805 SMD Monolithic Ceramic Chips 100pF 50volts COG 1%	
Pos	Reel/Tick			Pos	Reel/Tick	Pos	Reel/Tick
RP1		C27		C16		C24	
		C32					
		C33					
		C42					
		C45					
Item 2				Item 8		Item 13	
RES NETWRK 10K OHM 8RES 10PN SMD EXB-A10P103J		CAP CERAMIC 68PF 100V NP0 0805		CAP CERAMIC 68PF 100V NP0 0805		0805 SMD Monolithic Ceramic Chips 82pF 50volts COG 1%	
Pos	Reel/Tick	C47		Pos	Reel/Tick	Pos	Reel/Tick
RP2		C49		C17		C28	
		C50					
		C53					
		C54					
		C55					
		C56		Item 9		Item 14	
RES NETWRK 100K OHM 8RES10PN SMD EXB-A10P104J		CAPACITOR TANT 10UF 16V 20% SMD		CAPACITOR TANT 10UF 16V 20% SMD		0805 SMD Monolithic Ceramic Chips 110pF 50volts COG 1%	
Pos	Reel/Tick	C57		Pos	Reel/Tick	Pos	Reel/Tick
RP3		C58		C4		C29	
		C59					
		C60		Item 10			
		C61		CAP 10UF 6.3V CERAMIC X5R 0805			
		C62		Pos	Reel/Tick		
		C63		C7		Item 15	
		C64		C8		0805 SMD Monolithic Ceramic Chips 30pF 50volts COG 1%	
		C65		C12		Pos	Reel/Tick
		C66		C22		C30	
		C67		C26			
		C68		C34			
		C69		C35			
Item 4				C36		Item 16	
CAP CER .1UF 50V Y5V 0805				C37		0805 SMD Monolithic Ceramic Chips 5.6pF 50volts COG +/-0.25pF	
Pos	Reel/Tick	C70		C38		Pos	Reel/Tick
C1				C39		C31	
C2				C40			
C3		Item 5		C43			
C5		CAP CER 9100PF 50V 5% COG 0805		C51			
C6		Pos	Reel/Tick	C52			
C9		C10				Item 17	
C11						CAP 470PF 50V CERM CHIP 0805 SMD	
C13						Pos	Reel/Tick
C14						C41	
C18		Item 6		Item 11			
C20		CAP CERM .056UF 10% 50V X7R 0805		0805 SMD Monolithic Ceramic Chips 20pF 50volts COG 1%			
C21		Pos	Reel/Tick	Pos	Reel/Tick		
C23		C15		C19			
C25							

Penelope Organizer

Item 18		Item 22		Item 28		Item 33	
CAP 10000PF 50V CERAMIC X7R 0805		RES 56.0K OHM 1/8W 1% 0805 SMD		RES 100 OHM 1/8W 1% 0805 SMD		RES 510K OHM 1/8W 1% 0805 SMD	
Pos	Reel/Tick	Pos	Reel/Tick	Pos	Reel/Tick	Pos	Reel/Tick
C44		R10		R2		R22	
C46				R11		R26	
C48				R16			
		Item 23		R32			
		RES 9.10K OHM 1/8W 1% 0805 SMD		R34		Item 34	
Item 19		Pos	Reel/Tick	R36		RES 3.30K OHM 1/8W 1% 0805 SMD	
EMI FILTER 1000PF 50V SMD		R15		R38		Pos	Reel/Tick
EXC-CET102U						R27	
Pos	Reel/Tick					R29	
FL1		Item 24		Item 29		R31	
FL2		RES 2.00K OHM 1/8W 1% 0805 SMD		RES 1.00K OHM 1/8W 1% 0805 SMD		R33	
FL3		Pos	Reel/Tick	Pos	Reel/Tick	R35	
FL4		R3		R6			
FL5		R12		R7			
FL6				R14		Item 35	
FL7				R23		RES 2.20K OHM 1/8W 1% 0805 SMD	
FL8		Item 25		R24		Pos	Reel/Tick
		RES 4.99 OHM 1/8W 1% 0805 SMD		R30		R39	
		Pos	Reel/Tick			R40	
Item 20		R13		Item 30		R41	
FERRITE CHIP 600 OHM 500MA 0805		R4		RES 220 OHM 1/8W 1% 0805 SMD			
Pos	Reel/Tick			Pos	Reel/Tick	Item 36	
L1		Item 26		R17		RES 0.0 OHM 1/8W 5% 0805 SMD	
L2		RES 10.0K OHM 1/8W 1% 0805 SMD		R28		Pos	Reel/Tick
L4		Pos	Reel/Tick			R42	
L6		R37				R43	
L7		R8		Item 31			
L9				RES 220K OHM 1/8W 1% 0805 SMD			
L10		Item 27		Pos	Reel/Tick		
L11		RES 100K OHM 1/8W 1% 0805 SMD		R19			
L12		Pos	Reel/Tick				
Item 21		R18		Item 32			
RES 2.70K OHM 1/8W 1% 0805 SMD		R21		RES 2.00K OHM 1/8W 1% 0805 SMD			
Pos	Reel/Tick	R25		Pos	Reel/Tick		
R9				R20			

Penelope Organizer

Item 37		Item 42		Item 45			
MOSFET N-CHAN SS 115MA 60V SOT23 2N7002LT1G		CAP POLYFILM BOX .39UF 63V 5%		Transformers, Oscillators and Integrated Circuits			
Pos Reel/Tick		Pos	Reel/Tick	Pos	Designation		
Q1		C72		T1	TC4-1T	RF Transformer 50 Ohm 0.5 to 300 MHz	
				T2	ADT1.5-1	RF Transformer 50 Ohm 0.5 to 600 MHz	
				T3	TC4-1T	RF Transformer 50 Ohm 0.5 to 300 MHz	
		Item 43		U1	CVHD-950-122.88	CMOS VCXO Oscillators 122.88MHz 20ppm	
Item 38		Headers		U2	FOX924B-10	OSCILLATOR TCXO 10.0MHZ 3.3V SMD	
DIODE SCHOTTKY 30V 200MA SOT-23 BAT 54		Pos	Reel/Tick	U4	LD1117S33TR	IC REGULATOR LDO 3.3V SOT-223	
Pos	Reel/Tick	JP1	2POS .100 VERT TIN	U5	SN65LVDM180D	IC HS DIFF LINE DRV/RCV 14-SOIC	
D1		JP3	3POS .100 VERT TIN	U6	OPA2674ID	IC DUAL HI-OUT/SPD OPAMP 8-SOIC	
D2		JP2	3POS .100 VERT TIN	U7	AD9744ARUZ	IC DAC 14BIT 210MSPS 28-TSSOP	
D3		JP4	3POS .100 VERT TIN	U8	EPCS4SI8N	IC CONFIG DEVICE 4MBIT 8-SOIC	
		JP5	3POS .100 VERT TIN	U9	LMC6482AIM/NOPB	IC OP AMP DUAL CMOS R-R 8-SOIC	
		JP6	3POS .100 VERT TIN	U10	TLV320AIC23BPW	IC STEREO AUDIO CODEC 28-TSSOP	
		JP7	2POS .100 VERT TIN	U11	EP2C8Q208C8N	IC CYCLONE II FPGA 8K 208-PQFP	
Item 39		JP8	3POS .100 VERT TIN	U12	OPA350UA	IC HS CMOS OP AMP (35MHZ)8-SOIC	
DIODE SCHOTTKY 30V 200MA SOT-23 BAT 54S		JP9	3POS .100 VERT TIN	U13	OPA350UA	IC HS CMOS OP AMP (35MHZ)8-SOIC	
Pos	Reel/Tick	JP11	2POS .100 VERT TIN	U14	OPA350UA	IC HS CMOS OP AMP (35MHZ)8-SOIC	
D4		JP10	2POS .100 VERT TIN	U15	LD1117S12TR	IC REG LDO POS 800MA 1.2V SOT223	
		JP12	2POS .100 VERT TIN	U16	ADC78H90CIMT	IC ADC 12BIT 500KSPS 8CH 16TSSOP	
		J1	5POS .100 VERT TIN	U17	DS2431P+	IC EEPROM 1KB 1-WIRE 6-TSOC	
		TP2	2POS .100 VERT TIN	U18	ULN2003AD	IC DARL TRANS ARRAY 16-SOIC	
Item 40		TP1	2POS .100 VERT TIN				
LED RED CLEAR 0805 SMD							
Pos	Reel/Tick						
LED1		Item 44					
LED2		Connectors					
LED3		Pos	Reel/Tick				
LED4		J2	CONN TERM BLOCK 2.54MM 4POS				
LED5		J3	CONN SMA JACK RT ANG PCB				
LED6		J4	CONN JACK STEREO R/A 3PIN 3.5MM				
LED7		J5	CONN JACK BNC R/A 50 OHM PCB AU				
		J6	CONN DB25 FEMAL .318" R/A NICKEL				
		P1	DIN 41612 Signal Connectors 96P 2A MALE R/A SLDR				
Item 41		P2	CONN HDR DUAL 10POS .100 SRT TIN				
CAP POLYFILM BOX .056UF 63V 5%		P3	CONN HDR DUAL 10POS .100 SRT TIN				
Pos	Reel/Tick	P4	CONN HDR DUAL 8POS .100 SRT TIN				
C71							