

## Econet Clock Hub BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1,2,5,6,7	100nF	Ceramic capacitor (0.1")			5
C3,4	10uF	Electrolytic capacitor (0.1" axial)			2
D1	5mm red	LED			1
D2,3,4	1N4001	Silicon diode			3
IC1	74AHC1G04DBV	Single inverter		Farnell 3120301	1
IC2	74HC393	Dual 4-bit binary counter			1
IC3	74HC74	Dual flip flop			1
IC4,5	74HC30	8-input NAND			2
IC6	75159	Dual differential line driver with 3-state outputs			1
IC7	7805	5V regulator			1
J1	2.1mm	Power jack			1
J2,3,4,5,6,7	5-pin 180deg	PCB DIN socket		e.g. RS 491-087 or Farnell 1944987	6
LK1,2	0.1" x 2	Header + jumpers	Data Terminator		2
LK3	0.1" x 2	Header + jumpers	Clock Terminator		1
LK4	0.1" x 2	Header + jumpers	Expansion Clock Terminator		1
R1	1K0	250mW resistor			1
R2	1K8	250mW resistor			1
R3	150R	250mW resistor			1
R4	620R	250mW resistor			1
R5,6	100R	250mW resistor			2
RP1,2	10K	SIL resistor pack		Bourns 4607X-101-103LF (RS 788-4088 or Farnell 2321775)	2
S1,2	6-way	DIL switch	MARK and PERIOD setting	e.g. APEM NDSR-06-V (RS 122-2961) or C&K BDB06 (Farnell 2989861)	2
X1	8.0MHz 8 or 14-pin DIL	XTAL oscillator		e.g. IQXO-350C or RS 767-5333	1
IC2,3,4,5,6	14-pin	DIL socket			5
IC7	20x20mm	Heatsink			1
IC7	M3x6mm	Nut and Bolt			1
<b>Offboard Parts</b>					
	152 x 82 x 47	Enclosure		Hammond 1591XXDBK (RS 773-3132)	1