

Address line switches:
MTS-102 (SPST On-Off)

Function switches:
MTS-123 (SPDT On-Off-On)

Bit Reference:

0: D0	16: A0	H1 Connections:
1: D1	17: A1	H1-1 D0
2: D2	18: A2	H1-2 D1
3: D3	19: A3	H1-3 D2
4: D4	20: A4	H1-4 D3
5: D5	21: A5	H1-5 D4
6: D6	22: A6	H1-6 D5
7: D7	23: A7	H1-7 D6
8: INT	24: A8	H1-8 D7
9: WO	25: A9	H1-9 PROT
10: Stack	26: A10	H1-10 INTE
11: HLTA	27: A11	H1-11 INT
12: OUT	28: A12	H1-12 WO
13: IN	29: A13	H1-13 Stack
14: INP	30: A14	H1-14 HLTA
15: MEMR	31: A15	H1-15 OUT
	32: PROT	H1-16 IN
	33: INTE	H1-17 INP
	34: WAIT	H1-18 MEMR
	35: HLDA	H1-19 WAIT
	36: User1	H1-20 HLDA
	37: User2	
	38: User3	
	39: User4	

Bit Reference:

0: A0	16: STOP	Bit Reference:
1: A1	17: RUN	17: RUN
2: A2	18: SINGLE STEP	18: SINGLE STEP
3: A3	19: SS DOWN	19: SS DOWN
4: A4	20: EXAMINE	20: EXAMINE
5: A5	21: EXAMINE NEXT	21: EXAMINE NEXT
6: A6	22: DEPOSIT	22: DEPOSIT
7: A7	23: DEPOSIT NEXT	23: DEPOSIT NEXT
8: A8	24: RESET	24: RESET
9: A9	25: CLR	25: CLR
10: A10	26: PROTECT	26: PROTECT
11: A11	27: UNPROTECT	27: UNPROTECT
12: A12	28: AUX UP	28: AUX UP
13: A13	29: AUX DOWN	29: AUX DOWN
14: A14	30: AUX1 UP	30: AUX1 UP
15: A15	31: AUX1 DOWN	31: AUX1 DOWN

H2 Connections:

H2-1 A0
H2-2 A1
H2-3 A2
H2-4 A3
H2-5 A4
H2-6 A5
H2-7 A6
H2-8 A7
H2-9 A8
H2-10 A9
H2-11 A10
H2-12 A11
H2-13 A12
H2-14 A13
H2-15 A14
H2-16 A15

Status

Data 0-7

A0-A7

A8-A15

H1 Connections:

H1-21 A0
H1-22 A1
H1-23 A2
H1-24 A3
H1-25 A4
H1-26 A5
H1-27 A6
H1-28 A7
H1-29 A8
H1-30 A9
H1-31 A10
H1-32 A11
H1-33 A12
H1-34 A13
H1-35 A14
H1-36 A15
H1-37 User1
H1-38 User2
H1-39 User3
H1-40 User4

H3 Connector (RPI):

1 - 3V*	2 - 5V*
3 - SDA (PA2)*	4 - 5V*
5 - SCL (PA3)*	6 - Gnd*
7 - Gnd*	8 - TX (PA1)*
9 - Gnd*	10 - RX (PA0)
11 - GP17 (PC0)	12 - GP18
13 - GP27 (PC1)	14 - Gnd*
15 - GP22 (PC2)	16 - GP23
17 - 3.3V*	18 - GP24
19 - MOSI (PA4)*	20 - Gnd*
21 - MISO (PA5)*	22 - GP25
23 - SCLK (PA6)*	24 - CE0 (PF0)
25 - Gnd*	26 - CE1 (PF1)
27 - ID_SD (PC3)	28 - ID_SC
29 - GP5 (PD7) AOUT	30 - Gnd*
31 - GP6 (PD7) SWEnable	32 - GP12
33 - GP13 (PD6) SWLatch	34 - Gnd*
35 - GP16 (PD5) SWData	36 - GP16 (PD1) LEDData
37 - GP26 (PD4) SWClk	38 - GP20 (PD2) LEDLatch
39 - Gnd*	40 - GP21 (PD3) LEDClk

2 - 5V*
4 - 5V*
6 - Gnd*
8 - TX (PA1)*
10 - RX (PA0)
12 - GP18
14 - Gnd*
16 - GP23
18 - GP24
20 - Gnd*
22 - GP25
24 - CE0 (PF0)
26 - CE1 (PF1)
28 - ID_SC
30 - Gnd*
32 - GP12
34 - Gnd*
36 - GP16 (PD1) LEDData
38 - GP20 (PD2) LEDLatch
40 - GP21 (PD3) LEDClk

H2 Connections:

H2-17 STOP
H2-18 RUN
H2-19 SINGLE STEP
H2-20 SS DOWN
H2-21 EXAMINE
H2-22 EXAMINE NEXT
H2-23 DEPOSIT
H2-24 DEPOSIT NEXT
H2-25 RESET
H2-26 CLR
H2-27 PROTECT
H2-28 UNPROTECT
H2-29 AUX UP
H2-30 AUX DOWN
H2-31 AUX1 UP
H2-32 AUX1 DOWN
H2-33,35,37,39 +5V
H2-34,36,38,40 Gnd

TITLE:

BlinkinLights Adapter

REV: C

Company: ITDiscovery.INFO

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