

DISPLAYS & IND LIGHTS DRIVER CONNECTORS						BUTTONS / SWITCHES / KNOBS CONNECTORS														
EWMU / CMDS DSUB1 DC-37 FEMALE USE 24 AWG CABLE			EWPI DSUB2 DB-25 FEMALE USE 24 AWG CABLE			EWMU / CMDS CN1 (IDC 2X13 PIN HEADER) TO DB-25 MALE (STRAIGHT THRU)			EWPI CN2 (IDC 2X5 PIN HEADER) TO DB-9 MALE (STRAIGHT THRU)											
SOURCE	DC37 PIN	FUNCTION	SOURCE	DB25 PIN	FUNCTION	SOURCE	IDC PIN	FUNCTION	SOURCE	IDC PIN	FUNCTION									
5V PS +	1	+5V	5V PS +	1	+5V	TEENSY DGND	1	ROTARY SWITCH COMMON	TEENSY DGND	1	BUTTON COMMON									
5V PS GND	2	GND	5V PS GND	2	GND	TEENSY PIN 28	2	EWMU/CMDS MODE SWITCH - OFF	TEENSY PIN 19	2	PRI BUTTON									
5V PS GND	3	GND	5V PS GND	3	GND	TEENSY PIN 29	3	EWMU/CMDS MODE SWITCH - STBY	TEENSY PIN 21	3	SEP BUTTON									
5V PS GND	4	GND	N/C	4	N/C	TEENSY PIN 30	4	EWMU/CMDS MODE SWITCH - MAN	TEENSY PIN 20	4	UNK BUTTON									
5V PS GND	5	GND	N/C	5	N/C	TEENSY PIN 31	5	EWMU/CMDS MODE SWITCH - SEMI	TEENSY PIN 18	5	MD BUTTON									
TEENSY PIN 12	6	DATA IN	TEENSY PIN 15	6	DATA IN	TEENSY PIN 32	6	EWMU/CMDS MODE SWITCH - AUTO	N/C	6	N/C									
TEENSY PIN 10	7	CLK	TEENSY PIN 10	7	CLK	TEENSY PIN 27	7	EWMU DISP SWITCH - MENU CMDS FL SWITCH - ON/OFF	TEENSY 3V3	7	BRIGHTNESS POT (+)									
TEENSY PIN 8	8	BLANKING	TEENSY PIN 17	8	BLANKING	TEENSY PIN 11	8	EWMU DISP SWITCH - ON/OFF	TEENSY PIN 16	8	BRIGHTNESS POT - WIPER									
	9	CASE GND		9	CASE GND	TEENSY PIN 26	9	EWMU RWR SWITCH - MENU CMDS CH SWITCH - ON/OFF	TEENSY AGND	9	BRIGHTNESS POT (-)									
5V PS +	10	CMDS IND LGHT +5V	5V PS +	10	EWPI IND LEDS +5V	TEENSY PIN 8	10	EWMU/CMDS RWR SWITCH - ON/OFF	N/C	10	N/C									
TEENSY PIN 35	11	CMDS DISP RDY LAMPS (-)	TEENSY PIN 23	11	PRI LED (-)	TEENSY PIN 25	11	EWMU JMR SWITCH - MENU CMDS O2 SWITCH - ON/OFF												
TEENSY PIN 23	12	CMDS NO GO LAMPS (-)	TEENSY PIN 22	12	UNK LED (-)	TEENSY PIN 7	12	EWMU/CMDS JMR SWITCH - ON/OFF												
TEENSY PIN 22	13	CMDS GO LAMPS (-)	TEENSY PIN 35	13	ML LED (-)	TEENSY PIN 24	13	EWMU MWS - MENU CMDS O1 SWITCH - ON/OFF												
BL GND	14	BACKLIGHTING GND	BL GND	14	BACKLIGHTING GND	TEENSY PIN 6	14	EWMU/CMDS MWS SWITCH - ON/OFF												
BL GND	15	BACKLIGHTING GND	BL +5V	15	BACKLIGHTING +5V	TEENSY PIN 0	15	EWMU/CMDS JETTISON SWITCH - ON/OFF												
BL +5V	16	BACKLIGHTING +5V	TEENSY PIN 1	16	COL1	TEENSY DGND	16	TOGGLE SWITCH COMMON												
BL +5V	17	BACKLIGHTING +5V	TEENSY PIN 1	17	COL1	TEENSY PIN 36	17	EWMU BUTTON MATRIX COL1 CMDS PRGM - 1												
TEENSY PIN 1	18	COL1	TEENSY PIN 2	18	COL2	TEENSY PIN 37	18	EWMU BUTTON MATRIX COL2 CMDS PRGM - 2												
TEENSY PIN 1	19	COL1	TEENSY PIN 2	19	COL2	TEENSY PIN 38	19	EWMU BUTTON MATRIX COL3 CMDS PRGM - 3												
TEENSY PIN 1	20	COL1	TEENSY PIN 3	20	COL3	TEENSY PIN 39	20	EWMU BUTTON MATRIX COL4 CMDS PRGM - 4												
TEENSY PIN 1	21	COL1	TEENSY PIN 3	21	COL3	TEENSY PIN 33	21	EWMU BUTTON MATRIX ROW1 CMDS MODE - BYP												
TEENSY PIN 2	22	COL2	TEENSY PIN 4	22	COL4	TEENSY PIN 34	22	EWMU BUTTON MATRIX ROW2 CMDS PRGM - BIT												
TEENSY PIN 2	23	COL2	TEENSY PIN 4	23	COL4	TEENSY 3V3	23	BRIGHTNESS POT (+)												
TEENSY PIN 2	24	COL2	TEENSY PIN 5	24	COL5	TEENSY PIN 14	24	BRIGHTNESS POT - WIPER												
TEENSY PIN 2	25	COL2	TEENSY PIN 5	25	COL5	TEENSY AGND	25	BRIGHTNESS POT (-)												
TEENSY PIN 3	26	COL3				N/C	26	N/C												
TEENSY PIN 3	27	COL3																		
TEENSY PIN 3	28	COL3																		
TEENSY PIN 3	29	COL3																		
TEENSY PIN 4	30	COL4																		
TEENSY PIN 4	31	COL4																		
TEENSY PIN 4	32	COL4																		
TEENSY PIN 4	33	COL4																		
TEENSY PIN 5	34	COL5																		
TEENSY PIN 5	35	COL5																		
TEENSY PIN 5	36	COL5																		
TEENSY PIN 5	37	COL5																		

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