



	PIN ARDUINO
PWM BACKLIGHT	2

	GNS		
	PIN TERMINAL BLOCK	PIN ARDUINO GNS LEFT	PIN ARDUINO GNS RIGHT
ENCODER VOLUME	8 & 9	23 & 25	35 & 37
PUSH VOLUME	10	INA 0	INA 4
ENCODER RADIO UP	3 & 4	27 & 29	39 & 41
ENCODER RADIO DN	5 & 6	31 & 33	43 & 45
PUSH RADIO	7	INA 1	INA 5
PUSH HOME	11	INA 2	INA 6
PUSH DEST	12	INA 3	INA 7
COMMON GND	13 & 14	GND	GND
BACKLIGHT	1 + 5VOLTS 2 GND BACK		

	TFM 138	
	PIN TERMINAL BLOCK	PIN ARDUINO
5VOLTS POT	1	VCC
POT GARD	3	A0
SQUELCH	5	INA 8
T1	8	INA 9
T2	10	INA 10
T3	12	INA 11
T4	7	INA 12
T5	14	INA 13
T6	11	INA 14
T7	15	INA 15
T8	17	INA 16
T9	16	INA 17
T0	13	INA 18
TENTER	9	INA 19
TFUNC	18	INA 20
SWITCH HI	6	INA 21
SWITCH LO	4	INA 22
COMMON GND	20	GND
BACKLIGHT	1 + 5VOLTS 2 GND BACK	

	RADAR	
	PIN TERMINAL BLOCK	PIN ARDUINO
OFF	15	INA 23
STBY	14	INA 24
TST	16	INA 25
ON	18	INA 26
5 VOLTS POT	1	VCC
POT GAIN	17	A1
WX	5	INA 27
WXA	9	INA 28
GND MAP	8	INA 29
VP	10	INA 30
TRK LEFT	6	INA 31
TRK RIGHT	11	INB 0
POT TILT	19	A2
COMMON GND	20	GND
BACKLIGHT	1 + 5VOLTS 2 GND BACK	

	GND POWER	
	PIN TERMINAL BLOCK	PIN ARDUINO
FM HIGH	5	INB 1
FM LOW	7	INB 2
GND POWER ON	6	INB 3
GND POWER OFF	4	INB 4
LED ON	3	OUTA 0
COMMON GND	9 & 10	GND
BACKLIGHT	1 +5VOLTS 2 GND BACK	

	EURONAV	
	PIN TERMINAL BLOCK	PIN ARDUINO
ENCODER	4 & 3	47 & 49
ESC EMRG	12	INB 5
NEAR EMRG	8	INB 6
N/T WX	10	INB 7
WPT TERR	6	INB 8
COORD MENU	9	INB 9
DEST TMR	7	INB 10
ADDR HOME	11	INB 11
P POS	5	INB 12
COMMON GND	14 & 13	GND
BACKLIGHT	1 +5VOLTS 2 GND BACK	

	CLIM	
	PIN TERMINAL BLOCK	PIN ARDUINO
PULL AIR	6	INB 13
PULL DEFOG	8	INB 14
COMMON GND	9 & 10	GND
BACKLIGHT	1 +5V 2 GND BACK	

	TELEPHONE	
	PIN TERMINAL BLOCK	PIN ARDUINO
LS1	38	INB 15
LS2	36	INB 16
LS3	34	INB 17
RS1	20	INB 18
RS2	22	INB 19
RS3	24	INB 20
LEFT	32	INB 21
DOWN	30	INB 22
UP	28	INB 23
RIGHT	26	INB 24
1	37	INB 25
2	33	INB 26
3	21	INB 27
4	27	INB 28
5	15	INB 29
6	11	INB 30
7	23	INB 31
8	25	INC 0
9	29	INC 1
0	35	INC 2
*	13	INC 3

#	19	INC 4
CALL	31	INC 5
NO CALL	17	INC 6
TRIANGLE	9	INC 7
COMMON GND	40 & 39	GND
BACKLIGHT	1 + 5 V 2 GND BACK	

	SWITCH MFD	
	PIN TERMINAL BLOCK	PIN ARDUINO
NORM	11	INC 8
FND	9	INC 9
OFF	7	INC 10
VMD	5	INC 11
PUSH DG1	12	INC 12
PUSH DG2	13	INC 13
HDG1 LEFT	6	INC 14
HDG1 RIGHT	8	INC 15
HDG2 LEFT	4	INC 16
HDG2 RIGHT	3	INC 17
PUSH EVENT MARK	10	INC 18
COMMON GND	14	GND
BACKLIGHT	1 + 5V 2 GND BACK	

	ELT	
	PIN TERMINAL BLOCK	PIN ARDUINO
PUSH XFER	3	INC 19
PUSH RST	7	INC 20
PUSH ON	5	INC 21
LED ELT	8	OUTA 1
COMMON GND	10&9	GND
BACKLIGHT	1 + 5V 2 GND BACK	

	ACP RADIO	
	PIN TERMINAL BLOCK	PIN ARDUINO
PUSH VOL 1	3	INC 22
PUSH VOL 2	5	INC 23
PUSH VOL 3	7	INC 24
PUSH VOL 4	9	INC 25
PUSH VOL 5	11	INC 26
PUSH VOL 6	13	INC 27
PUSH VOL 7	15	INC 28
PUSH VOL 8	17	INC 29
PUSH TEST	19	INC 30
PUSH VOICE	21	INC 31
PUSH SPKR	4	IND 0
PUSH ISOL CALL	6	IND 1
PUSH NAV 1	8	IND 2
PUSH NAV 2	10	IND 3
PUSH MKR	14	IND 4
PUSH DME1	18	IND 5
PUSH DME2	20	IND 6
LED VHF1	25	OUTA 2
LED VHF2	27	OUTA 3
LED TET1	29	OUTA 4
LED FM4	31	OUTA 5

LED TET2	33	OUTA 6
LED SAT	35	OUTA 7
LED GSM	37	OUTA 8
LED FM2	39	OUTA 9
LED TEST	16	OUTA 10
LED VOICE	12	OUTA 11
LED SPKR	38	OUTA 12
LED ISOL CALL	22	OUTA 13
ALIM POT	1	VCC
POT IC VOL DOWN	34	A3
POT IC VOL UP	36	A4
POT TX	28	A5
PUSH VOX	23	IND 7
BACK UP	32	IND 8
SLAVED	30	IND 9
IC	26	IND 10
TX	24	IND 11
COMMON GND	40	GND
BACKLIGHT	1 +5V 2 GND BACK	

	APCP	
	PIN TERMINAL BLOCK	PIN ARDUINO
PUSH A.TRIM	27	IND 12
LED A.TRIM	38	OUTA 14
PUSH BKUP	29	IND 13
LED BKUP	36	OUTA 15
PUSH AP1	31	IND 14
LED AP1	34	OUTA 16
PUSH AP2	33	IND 15
LED AP2	32	OUTA 17
PUSH ALT	28	IND 16
LED ALT	30	OUTA 18
LED CRHT	8	OUTA 19
LED IAS	6	OUTA 20
LED ALTA	4	OUTA 21
LED VS FPA	12	OUTA 22
LED TRK HDG	10	OUTA 23
SWITCH TRK VS	14-18 & 16-20	IND 17 & IND 18
PUSH CRHT	13	IND 19
PUSH IAS	19	IND 20
PUSH ALTA	25	IND 21
PUSH VS	26	IND 22
PUSH HDG	7	IND 23

ENC CRHT	9&11	28 & 30
ENC IAS	15&17	32 & 34
ENC ALTA	21&23	36 & 38
ENC VS	24&22	40 & 42
ENC HDG	5&3	44 & 46
COMMON GND	40&39	GND
BACKLIGHT	1 +5V 2 GND BACK	