



	Description	Designator	Footprint	LibRef	Quantity
LED	Typical RED GaAs LED	3.3V, 5V	CC2012-0805	LED	
LED	Typical RED GaAs LED	12V	CR2012-0805	LED	
Buzzer		B1	POL_BUZZER-12.0	Buzzer	
MOTOR	Header, 2-Pin	Bat	T-CONNECTOR(M)	Header 2	
BC847B	NPN	BC847	SOT-23	BC847B	
LED0	Typical RED GaAs LED	Boot	CC2012-0805	LED	
Boot	Header, 2-Pin	BOOT0	HDR1X2	Header 2	
	Capacitor (Semiconductor				
33nF	SIM Model)	C1	CC2012-0805	Cap Semi	
		C2, C3, C5, C19, C20, C21,			
	Capacitor (Semiconductor	C23, C24, C27, C28, C29,			
100nF	SIM Model)	C30, C31, C50, C51	CC2012-0805	Cap Semi	
	Capacitor (Semiconductor				
10nF	SIM Model)	C4	CC2012-0805	Cap Semi	
470uF 25V	Polarized Capacitor (Axial)	C6	SV-G	Cap Pol2	
2200uF 6.3V	Polarized Capacitor (Axial)	C7	SV-H	Cap Pol2	
10uF	Capacitor (Semiconductor SIM Model)	C13 C14	CC2012-0805	C C:	
Tour	Capacitor (Semiconductor	C13, C14	CC2012-0005	Cap Semi	
100n	SIM Model)	C15, C16	CC2012-0805	Cap Semi	
10011	Capacitor (Semiconductor	C13, C10	CC2012-0003	Cap seiiii	
20pF	SIM Model)	C17, C18	CC2012-0805	Cap Semi	
	Capacitor (Semiconductor	/			
2u2F	SIM Model)	C25, C26	CC2012-0805	Cap Semi	1
Can	Header, 4-Pin	CAN1, CAN2	LOCKEDHDR-4	Header 4	
LINEAR CCD1	Header, 4-Pin	CCD1	lockedHDR-5	Header 5	
					1
LINEAR CCD 2	Header, 5-Pin	CCD2	lockedHDR-5	Header 5	
MBR745	Schottky Diode	D1	TO-220AC	D Schottky	
ENCODER1	Header, 5-Pin	ENCODER1	lockedHDR-5	Header 5	
ENCODER2	Header, 5-Pin	ENCODER2	lockedHDR-5	Header 5	
3A Fuse	Fuse	Fuse	FUSE SOCKET	Fuse	
	5A Step-Down Switching				
LM2679	Mode Voltage Regulator	IC1	TO-263(7)	LM2679	
Joystick		J1	5D_SWITCH	Joystick	
ARMP	Header, 3-Pin	JP1, JP2, JP3, JP4	HDR1X3	Header 3	
Inductor	Inductor	11	MSS1260	Inductor	
LAN SOCKET	madetoi	LAN SOCKET	PCBComponent_1	Component_1	
		LCD			
Small_lcd		LED1, LED2, LED3, LED4,	Lcd_red	Small_lcd	
SIG2	T DED C- 4- 15D	LED1, LED2, LED3, LED4, LED5, SIG2	CC2012 000F	LED	
	Typical RED GaAs LED		CC2012-0805	Header 4	
LASER SENSOR1	Header, 4-Pin	LS1	LOCKEDHDR-4	Header 4	
4.03400	N. Channel MOCETT	M1, M2, M3, M4, M5, M6, M7. M8	00 (2) (7) 2	AO3400	
AO3400	N-Channel MOSFET		SO-G3/Z3.3		
5V ADC3 5V ADC4	Header, 3-Pin Header, 3-Pin	PA4 PA5	LOCKEDHDR-3 LOCKEDHDR-3	Header 3 Header 3	
		PA6, PA7, PB0, PB1, PB8, PB9, PC11, PC12, PE10, PE11, PE12, PE13, PE14,			
ARMP	Header, 3-Pin	PE15	LOCKEDHDR-3	Header 3	
UART1	Header, 4-Pin	PE15 PA9-10	LOCKEDHDR-4	Header 4	
		PE15			
UART1	Header, 4-Pin	PE15 PA9-10	LOCKEDHDR-4	Header 4	
UART1 UART3	Header, 4-Pin Header, 4-Pin	PE15 PA9-10 PB10-11	LOCKEDHDR-4 LOCKEDHDR-4	Header 4 Header 4	
JART1 JART3 5V ADC1 5V ADC2	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3 Header 3	
UART1 UART3 5V ADC1 5V ADC2 PNEUMATIC1	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3	LOCKEDHDR-4 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3	Header 4 Header 3 Header 3 Header 3	
UART1 UART3 5V ADC1 5V ADC2 PNEUMATIC1 PNEUMATIC2	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PD0 PD1	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3	Header 4 Header 3 Header 3 Header 3 Header 3	
UART1 UART3 5V ADC1 5V ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PD0 PD1 PD1 PD2	LOCKEDHDR-4 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3	Header 4 Header 3 Header 3 Header 3 Header 3 Header 3	
UART1 UART3 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PD0 PD1 PD2 PD3	LOCKEDHDR-4 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3	Header 4 Header 4 Header 3 Header 3 Header 3 Header 3 Header 3 Header 3	
UART1 UART3 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5	Header, 4-Pin Header, 4-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PC3 PD0 PD1 PD2 PD3 PD4	LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3	
UART1 UART3 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4	Header, 4-Pin Header, 4-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PD0 PD1 PD2 PD3	LOCKEDHDR-4 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3 LOCKEDHDR-3	Header 4 Header 4 Header 3 Header 3 Header 3 Header 3 Header 3 Header 3	
UART1 UART3 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5	Header, 4-Pin Header, 4-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PC3 PD0 PD1 PD2 PD3 PD4	LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3	
JUARTI JUARTI SV ADC1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC5 PNEUMATIC5	Header, 4-Pin Header, 4-Pin Header, 3-Pin	PE15 PA9-10 PB10-11 PC2 PC3 PC3 PC9 PD1 PD2 PD3 PD4 PD5	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3	
JART1 JART3 SV ADC1 SV ADC2 PNEUMATIC2 PNEUMATIC2 PNEUMATIC2 PNEUMATIC4 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6	Header, 4-Pin Header, 4-Pin Header, 3-Pin	pets Pats-10 Pati-11 Pc2 Pc3 Pc3 Pc4 Pc5 Pc5 Pc6 Pc7	LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3	
UART1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 SOREMATIC7 PNEUMATIC6 SOREMATIC6 SOREMATIC7 PNEUMATIC8	Header, 4-Pin Header, 3-Pin	PE15 P810-11 PC2 PC3 PC3 PC0 PC0 PC1 PC2 PC2 PC2 PC3 PC0	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3 Rea Semi	
JART1 JART3 SV ADC1 SV ADC2 PNELWARTIC1 PNELWARTIC1 PNELWARTIC2 PNELWARTIC3 PNELWARTIC3 PNELWARTIC3 PNELWARTIC3 PNELWARTIC4 PNELWARTIC4 PNELWARTIC5 PNELWARTIC5 STREWARTIC5 ST	Header, 4-Pin Header, 3-Pin	PE15 PA3-10 PB10-11 PC2 PC3 PD0 PD1 PD2 PD2 PD3 PD4 PD5 PD6 PD7 PD6 PD7 R18, R28, R57, R8, R9, R18, R20, R21, R60, R61, R61, R61, R61, R61, R61, R61, R61	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 3 Header 8 Header 9 Hea	
JART1 JART3 SV ADC1 SV ADC2 NERUMATIC1 NERUMATIC2 PNERUMATIC3 NERUMATIC3 NERUMATIC3 NERUMATIC4 PNERUMATIC6 NERUMATIC6 NERUMATIC6 NERUMATIC6 NERUMATIC6 SOREMATIC6 SOR	Header, 4-Pin Header, 3-Pin	PE15 P810-11 PC2 PC3 PC0	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3	Header 4 Header 4 Header 3 Rea Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC1 SV ADC2 PNELMATIC1 PNELMATIC2 PNELMATIC3 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC6 PNELMATIC6 PNELMATIC6 PNELMATIC6 SNELMATIC6 SNELMATIC6 SNELMATIC6 SNELMATIC6 SNELMATIC6 SNELMATIC6	Header, 4-Pin Header, 4-Pin Header, 3-Pin	PETS PAS-10 PAS-	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 CKEDHDR-3 CKEDHDR-3 RE2012-0805 CR2012-0805 CR2012-0805	Header 4 Header 4 Header 3 Res Semi Res Semi	
UART1 UART3 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 SPEUMATIC6 PNEUMATIC7 PNEUMATIC7 PNEUMATIC7 PNEUMATIC7 PNEUMATIC8	Header, 4-Pin Header, 3-Pin He	PETS - PAS-10 - PAS-1	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 ROCKEDHDR-3 ROCKED	Header 4 Header 4 Header 3 Reader 3	
JUARTI JUARTI SV ADCI SV ADCI SV ADCI SV ADC2 PNEUMATICI PNEUMATICI PNEUMATICI PNEUMATICA PNEUMATICA PNEUMATICA PNEUMATICA PNEUMATICA SPEUMATICA SPEUMATIC	Header, 4-Pin Header, 3-Pin Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor	PETS - PAS-10 - PAS-1	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 ROCKEDHUR-3 LOCKEDHUR-3 ROCKEDHUR-3 ROCKEDHUR-3 LOCKEDHUR-3 LOCKEDHUR-3 ROCKEDHUR-3 ROCKED	Header 4 Header 4 Header 3 Res Semi Res Semi Res Semi Res Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNELWARTIC1 PNELWARTIC2 PNELWARTIC3 PNELWARTIC3 PNELWARTIC3 PNELWARTIC3 PNELWARTIC4 PNELWARTIC4 PNELWARTIC5 PNELWARTIC5 PNELWARTIC5 SNELWARTIC6 SNELWARTIC6 SNELWARTIC6 SNELWARTIC6 SNELWARTIC6 SNELWARTIC6 SNELWARTIC7 PNELWARTIC7 PNELWARTIC7 SNELWARTIC7 SNELWA	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PD0 PD1 PD2 PD2 PD3 PD4 PD5 PD6 PD7 PD6 PD7 PD7 PD8 PD7 PD8 PD7 PD8 PD7 PD8	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKED	Header 4 Header 4 Header 3 Header 8 Res Semi Res Semi Res Semi Res Semi Res Semi	
UART1 UART3 SY ADC1 SY ADC2 PNEUMATIC1 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC4 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC7 PNEUMATIC7 PNEUMATIC7 PNEUMATIC7 PNEUMATIC7 PNEUMATIC8 100 100 100 100 100 100 100 1	Header, 4-Pin Header, 3-Pin Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor Semiconductor Resistor	PETS - PAS-10 - PAS-1	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 R0212-005	Header 4 Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADC1 SV ADC2 PPNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC4 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC7 PNEU	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PD0 PD1 PD2 PD2 PD3 PD4 PD5 PD6 PD7 RT2, RT2, RT3, RT4, RT5, RT6, RT7, RS8, RS9, RS1 RT2, RS2, RS4, RS4, RS7, RS8, RS9, RS1 RT2, RS5, RS7, RS8, RS9, RS1 RS2 RS3 RS4 RS5, RS5, RS5, RS5, RS5, RS5, RS5, RS5,	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKEDHDR-3 LOCKEDHDR-3 ROCKEDHDR-3 ROCKED	Header 4 Header 4 Header 3 Header 8 Res Semi Res Semi Res Semi Res Semi Res Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNELMATIC1 PNELMATIC1 PNELMATIC2 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC5 PNELMATIC5 PNELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC6 SPRELMATIC8 SPR	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC3 PC4 PC5 PC6 PC7 RT, R2, R6, R7, R8, R9, R18, R20, R21, R60, R61, R62 R10 R11, R37 R12, R13, R14, R15, R16, R17, R38, R50, R51 R22 R33 R44 R25, R40 R26, R40 R2	LOCKEDHOR-4 LOCKEDHOR-4 LOCKEDHOR-3 COCKEDHOR-3 COCKED	Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADCI SV ADCI SV ADCI SV ADCI SV ADCI PNEUMATIC1 PNEUMATIC1 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC7 PNE	Header, 4-Pin Header, 3-Pin He	PETS - PAS-10 - PAS-1	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 3 Header 8 Header 9 Hea	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 SER SER SER SER SER SER SER SE	Header, 4-Pin Header, 3-Pin Semiconductor Resistor	PETS PAS-10 PBT0-11 PC2 PC3 PC3 PC0 PC1 PC2 PC2 PC3 PC0 PC1 PC2 PC3 PC3 PC0 PC1 PC2 PC3 PC3 PC4 PC5 PC6 PC6 PC7 RT, R2, R6, R7, R6, R9, R16, R62, R16, R16, R16, R16, R16, R16, R16, R16	LOCKEDHUR-4 LOCKEDHUR-3 LOCKE	Header 4 Header 4 Header 4 Header 3 Res Semi	
JART1 JART3	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC3 PC3 PC2 PC3 PC3 PC3 PC4 PC5 PC6 PC7 RT, R2, R6, R7, R8, R9, R18, R20, R21 R10, R13, R14, R15, R16, R17, R18, R20, R21 R17, R18, R20, R21 R17, R18, R18, R18, R18, R18, R18, R18, R18	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 LOCKED	Header 4 Header 4 Header 3 Res Semi	
JUART1 JUART3 SY ADC1 SY ADC2 PNELMATIC1 PNELMATIC1 PNELMATIC3 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC6 SOR 33R 10K 10K 10K 10K 11K 11K 11K 11K 11K 11K	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC4 PC5 PC5 PC6 PC7 R1, R2, R6, R7, R8, R9, R18, R20, R21, R60, R61, R62, R61, R62, R64, R74, R8, R74, R84, R84, R84, R84, R84, R84, R84, R8	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 LOCKED	Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNELMATIC1 PNELMATIC1 PNELMATIC3 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 SRR 33R 100k 100k 115k 115k 1k 1k	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC3 PC0 PC1 PC5 PC0 PC5 PC5 PC6 PC5 PC6 PC7 R1 R2 R6 R7 R6 R9 R1 R2 R1 R6 R7 R6 R9 R1 R2 R1 R6 R7 R6 R9 R1 R2 R1 R6 R7 R6 R7 R1 R	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 LOCKED	Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 STOREMATIC6 ST	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC4 PC5 PC5 PC6 PC6 PC7 R1, R2, R6, R7, R8, R9, R18, R20, R21, R60, R61, R62, R62, R61, R62, R62, R62, R62, R63, R61, R62, R63, R63, R61, R62, R63, R63, R64, R65, R65, R65, R65, R65, R65, R65, R65	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 LOCKED	Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 STEMATIC5 ST	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC3 PC0	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 4 Header 3 Header 8 Header 8 Header 9 Hea	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PNEUMATIC1 PNEUMATIC2 PNEUMATIC2 PNEUMATIC3 PNEUMATIC4 PNEUMATIC5 PNEUMATIC5 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 PNEUMATIC6 IN I	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PBT0-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC2 PC3 PC3 PC0 PC1 PC2 PC3 PC3 PC0 PC1 PC2 PC3 PC3 PC4 PC5 PC5 PC6 PC7 PC4 PC5 PC6 PC7	LOCKEDHUR-4 LOCKEDHUR-4 LOCKEDHUR-3 LOCKED	Header 4 Header 4 Header 3 Res Semi	
JART1 JART3 SV ADC1 SV ADC2 PNELMATIC1 PNELMATIC1 PNELMATIC3 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC6 SPELMATIC6 SPELMATIC6 SPELMATIC6 SPELMATIC6 SPELMATIC6 SPELMATIC6 SPELMATIC7 SPELMATIC8 SSER SSER SSER SSER SSER SSER SSER SSE	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC4 PC5 PC5 PC6 PC7 RT, R2, R6, R7, R8, R9, R18, R20, R21, R60, R61, R62 R10, R18, R20, R18, R20, R51 R12, R13, R14, R15, R16, R17, R18, R18, R18, R18, R18, R18, R18, R18	LOCKEDHURA-4 LOCKEDHURA-4 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-4 LOCKE	Header 4 Header 4 Header 4 Header 3 Header 4	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PREJMATIC1 PREJMATIC1 PREJMATIC3 PREJMATIC3 PREJMATIC3 PREJMATIC4 PREJMATIC4 PREJMATIC4 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 INCLIMATIC6 PREJMATIC7	Header, 4-Pin Header, 3-Pin He	PETS PAS-10 PB10-11 PC2 PC3 PC3 PD0 PC9	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 4 Header 3 Header 8 Header 9 Header 4 Hea	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PREJMATIC1 PREJMATIC1 PREJMATIC3 PREJMATIC3 PREJMATIC3 PREJMATIC4 PREJMATIC4 PREJMATIC4 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 INCLIMATIC6 PREJMATIC7	Header, 4-Pin Header, 3-Pin Header, 8-Pin Header, 8-Pin Header, 8-Pin Semiconductor Resistor	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC1 PC1 PC2 PC2 PC3 PC0 PC1 PC1 PC2 PC3 PC2 PC3 PC4 PC5 PC5 PC6 PC7 RT, R2, R6, R7, R8, R9, R18, R20, R21, R60, R61, R62 R10, R18, R20, R18, R20, R51 R12, R13, R14, R15, R16, R17, R18, R18, R18, R18, R18, R18, R18, R18	LOCKEDHURA-4 LOCKEDHURA-4 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-3 LOCKEDHURA-4 LOCKEDHURA-3 LOCKEDHURA-4 LOCKE	Header 4 Header 4 Header 4 Header 3 Header 4	
JUART1 JUART3 SV ADC1 SV ADC1 SV ADC2 PNELMATIC1 PNELMATIC2 PNELMATIC3 PNELMATIC3 PNELMATIC3 PNELMATIC4 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC5 PNELMATIC6 PNELMATIC7 PNELMATIC7 PNELMATIC7 PNELMATIC7 PNELMATIC7 PNELMATIC8 SGR 33R 10k 10k 470k 220k 510R RESET 510R RESET 510C COMPONEN COM	Header, 4-Pin Header, 3-Pin Header, 8-Pin Semiconductor Resistor Header, 4-Pin Header, 4-Pin Header, 4-Pin Header, 4-Pin	PETS PAS-10 PB10-11 PC2 PC3 PC3 PC0 PC3 PD0 PD0 PD0 PD0 PD0 PD0 PD0 PD0 PD7 R1 R2 R6 R7, R8 R9, R1 R8 R20, R21, R60, R61, R62 R11, R37 R12, R13, R14, R15, R16, R16, R10, R10, R10, R10, R10, R10, R10, R10	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 4 Header 3 Header 4 Hea	
JART1 JART3 SV ADC1 SV ADC1 SV ADC2 PREJMATIC1 PREJMATIC1 PREJMATIC3 PREJMATIC3 PREJMATIC3 PREJMATIC4 PREJMATIC4 PREJMATIC4 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 PREJMATIC5 INCLIMATIC6 PREJMATIC7	Header, 4-Pin Header, 3-Pin Header, 8-Pin Header, 8-Pin Header, 8-Pin Semiconductor Resistor	PETS PAS-10 PB10-11 PC2 PC3 PC3 PD0 PC9	LOCKEDHDR-4 LOCKEDHDR-4 LOCKEDHDR-3 LOCKED	Header 4 Header 4 Header 4 Header 3 Header 8 Header 9 Header 4 Hea	