







Capacitor	Comment	Description	Designator	Footprint	LibRef	Quantity
Sectorlytic Capacitor	Capacitor	Capacitor	C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C22, C23, C24, C25, C26, C27,	0805	Capacitor	27
Electrolytic Capacitor						
Capacitor						
SECOLIST   Schollar   Schollar		Capacitor	C33, C34, C35, C36	CAP-0402		4
National Color	Diode		D1, D2, D3, D4	DO-214AC	Diode	4
TRASTALOBET   OFFICENCE   Do.   SDT-288   TRASTALOBET   100   Connector.   SERGSTAK 100P   S	18TQ045	Schottky Rectifier	D5, D7, D8	POWERDI-123	18TQ045	3
BERGSTAK 100P BERGSTAK XI, NZ FC, BERGSTAK, 100P BERGSTAK 100P 2   2 2b4 H SSN5020-282Y 1 1 SSN5020-282Y, FP 3 1 2 2 1 1 2 2 1 1 2 2 1 2 2 1 2 2 2 1 2 2 2 2 1 2 2 2 2 2 1 2 2 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 3 2 2 1 3 2	TL431AIDBZT	reference	D6	SOT-23B	TL431AIDBZT	1
ZH-6P	BERGSTAK 100P		JX1, JX2	FCI_BERGSTAK_100P	BERGSTAK 100P	2
Priminal   Pader   P	2.2uH	SRN5020-2R2Y	L1	SRN5020-2R2Y_FP	SRN5020-2R2Y	1
Meader 2	ZH-6P		P1, P5	ZH-6P	ZH-6P	2
ZH-12P	2P Terminal		P2	2P-TERM	2P Terminal	1
ZH-4P	Header 2	Header, 2-Pin	P3	HDR1X2	Header 2	1
2H-SP	ZH-12P		P3, P4, P7	ZH-12P	ZH-12P	3
11.73492   0.1	ZH-4P		P6, P8, P10	ZH-4P	ZH-4P	3
FXZ Relay   Q2	ZH-5P		P9	ZH-5P	ZH-5P	1
SST38LTIG	TLV3492		Q1		TLV3492	1
BSS13BLTIG	FX2 Relay		Q3, Q4, Q5, Q6, Q8, Q9,	G6BK	FX2 Relay	1
Emergency Button Q17 Emergency Button 1   FDV303N O18, O19 SOT-23B FDV303N 2   Resistor Resistor R1, R8 RES-2512 Resistor 2   Resistor R2, R3, R4, R5, R6, R7, R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R43, R45, R48, R49, R51, R45, R48, R49, R51, R45, R44, R46, R51, R44, R46, R51, R44, R46, R51, R44, R44, R47, R50, R52, R33 RESistor Resistor 46   Resistor Resistor R76, R42, R44, R46, R51, R58, R66, R66 R60 R60 Resistor R4, R51, R62, R63, R65   Resistor R61, R42, R44, R46, R51, R58, R66, R66 R60 R65, R68, R69, R60, R61, R62, R63, R65 Resistor R61, R62, R63, R65 R61, R62, R63, R65 R61, R62, R63, R65 R61, R62, R63, R65 R68, LED R68, R68, R68, R68, R68, R68, R68, LED LTR8 R85 3   IPP045N10N3 S1, S2, S3, S4 T0-220AB IPP045N10N3 4   110M2S3COE2 SW1 1101M2S3COE2, FP 1101M2S3COE2 1   14LV2C217 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-3-63 74LVC2G	BSS138LT1G	N-Channel MOSFET		SOT-23B	BSS138LT1G	13
PDV303N   Resistor   R1, R8   RES-2512   Resistor   R2, R3, R4, R5, R6, R7, R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R27, R28, R29, R30, R31, R32, R33, R34, R45, R6, R7, R27, R28, R29, R30, R31, R32, R33, R34, R45, R48, R49, R51, R32, R33, R34, R45, R48, R49, R51, R64, R55, R66, R66   Resistor   Resistor   R64, R55, R66, R66   Resistor   Resistor   R74, R50, R52, R53   RES-3920   Resistor   Resistor   R74, R50, R52, R53   RES-0402   Resistor   R61, R62, R63, R65   R63, R65   Resistor   R61, R62, R63, R65   R63, R65   Resistor   R64   RES-RWS5   Resistor   R64   RES-RWS5   Resistor   R64   R68, R68, R68, R69, R69, R69, R69, R69, R69, R69, R69	LEV100A4ANG		Q7		LEV100A4ANG	1
Resistor Resistor R1, R8 RES-2512 Resistor 2   R2, R3, R4, R5, R6, R7, R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R30, R41, R43, R45, R48, R49, R51, R39, R40, R41, R43, R45, R48, R49, R51, R54, R55, R56, R66 Resistor Resistor 46   Resistor Resistor R9 RES-3920 Resistor 46   Resistor Resistor R47, R50, R52, R53 RES-0402 Resistor 8   Resistor Resistor R47, R50, R52, R53 RES-0402 Resistor 8   Resistor Resistor R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R61, R62, R63, R65 Resistor Resistor 1   RGB LED LTRB R85F 3 3	Emergency Button		Q17		Emergency Button	1
R.	FDV303N		Q18, Q19	SOT-23B	FDV303N	2
R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R43, R45, R48, R49, R51, R47, R50, R52, R53, R65, R66	Resistor	Resistor	R1, R8	RES-2512	Resistor	2
Resistor Resistor R9 RES-3920 Resistor 1   Resistor R16, R42, R44, R46, R47, R50, R52, R53 RES-0402 Resistor 8   Resistor R57, R58, R59, R60, R59, R60, R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R64 RES-RWS5 Resistor 1   RGB LED RGB1, RGB2, RGB3 RGB_LED LTRB R8SF 3   JPP045N10N3 S1, S2, S3, S4 T0-220AB IPP045N10N3 4   1101M2S3COE2 SW1 1101M2S3COE2_FP 1101M2S3COE2 1   74LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-363 74LVC2G17 1   HIP4081 U2 SOIC-20 WB HIP4081 1   SN74F21D Dual 4-input AND Gate U3 SOIC-14 SN74F21D 1   ILV2702 IC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN7802	Desister	Desistar	R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R43, R45, R48, R49, R51,	0005	Besister	4
Resistor Resistor R16, R42, R44, R46, R47, R50, R52, R53 RES-0402 Resistor Resistor 8   Resistor Resistor R57, R58, R59, R60, R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R64 RES-RWS5 Resistor 1   RGB LED LTRB R8F 3 3   IPP045N10N3 S1, S2, S3, S4 TO-220AB IPP045N10N3 4   1101M2S3CQE2 SW1 1101M2S3CQE2_FP 1101M2S3CQE2 1   174LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-363 74LVC2G17 1   1HP4081 U2 SOIC-20 WB HIP4081 1   SN74F21D Dual 4-Input AND Gate U3 SOIC-20 WB HIP4081 1   SN74F21D U2 SOIC-20 WB HIP4081 1   LW72702 Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020						
Resistor Resistor R61, R62, R63, R65 Resistor Resistor 8   Resistor Resistor R64 RES-RWS5 Resistor 1   RGB LED LTRB R8SF 3   JPP045N10N3 S1, S2, S3, S4 TO-220AB IPP045N10N3 4   1101M2S3CQE2 SW1 1101M2S3CQE2,FP 1101M2S3CQE2 1   74LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-363 74LVC2G17 1   HIP4081 U2 SOIC-20 WB HIP4081 1   SN74F21D Dual 4-Input AND Gate U3 SOIC-14 SN74F21D 1   TLV2702 IC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   INA286 U9 SOIC-8 INA286 1			R16, R42, R44, R46,			
Resistor Resistor R64 RES-RWS5 Resistor 1   RGB LED RGB1, RGB2, RGB3 RGB_LED LTRB RBSF 3   JPP045N10N3 S1, S2, S3, S4 TO-220AB JPP045N10N3 4   1101M2S3CQE2 SW1 1101M2S3CQE2_FP 1101M2S3CQE2 1   74LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-363 74LVC2G17 1   HIP4081 U2 SOIC-20 WB HIP4081 1   SN74F21D Dual 4-Input AND Gate U3 SOIC-14 SN74F21D 1   SN74F21D LIC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   ILMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   INA286 U9 SOIC-8 INA286 1	Resistor	Resistor			Resistor	Ω
RGB LED RGB1, RGB2, RGB3 RGB_LED LTRB R8SF 3   JPP045N10N3 S1, S2, S3, S4 TO-220AB JPP045N10N3 4   1101M2S3C0E2 SW1 1101M2S3C0E2_FP 1101M2S3C0E2 1   74LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input U1 SOT-363 74LVC2G17 1   HIP4081 U2 SOIC-20 WB HIP4081 1   SN74F21D Dual 4-Input AND Gate U3 SOIC-14 SN74F21D 1   IC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U9 SOIC-8 INA286 1				RFS-RWS5		
IPP045N10N3						
101M2S3COE2   SW1   1101M2S3COE2_FP   1101M2S3COE2   1						
T4LVC2G17 Dual non-inverting Schmitt-trigger with 5v tolerant input   U1						1
HIP4081		inverting Schmitt- trigger with 5v tolerant				
SN74F21D Dual 4-Input AND Gate U3 SOIC-14 SN74F21D 1   TLV2702 IC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1		input				
TLV2702 IC SMD AMP+COMPAR Combo SOIC-8 U4 SOT23-5 LMV331QDBVRQ1 1   LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1	HIP4081		U2	SOIC-20 WB	HIP4081	1
LMR10510XMF U5 SOT23-5 LMR10510XMF 1   PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1		IC SMD AMP+COMPAR				1
PTN78020HAH U6 PTN78020 PTN78020HAH 1   PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1		Combo SOIC-8				
PTH08080WAH U7 PTH08080W_FP PTH08080WAH 1   NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1						
NRF24L01 Module U8 NRF24L01 Module 1   INA286 U9 SOIC-8 INA286 1						
INA286 U9 SOIC-8 INA286 1				PTH08080W_FP		
NC7SZ08 U10, U11 NC7SZ08 2	INA286		U9	SOIC-8	INA286	1
	NC7SZ08		U10, U11		NC7SZ08	2