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	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
			C1, C17, C18, C21_A, C21_B,								
	lu	Non Polarized	C21_C, C21_D,	11							
		Capacitor	C21_E, C21_F,								
			C21_G, C21_H								
			02, 03, 05, 07, 08,								
			C11, C22_A C22_B, C22_C;								
			C22 D, C22 E								
	100n	Non Polarized	C22 F, C22 G	22							
	iun	Capacitor	C22_H C23_A	22							
			C23 B, C23 C, C23 D, C23 E								
			C23_F, C23_G								
			C23_H								
	100u	Polarized	C4, C10, C13, C14,	6							
			C15, C16								
ŀ	2.2u	Capacitor	O6	1							
	2201	Non Polarized	C9	1							
	).22u	Capacitor	C9								
	22u	Polarized	C12	1							
		Capacitor	C19_A, C19_B,								
	22p	Non Polarized	C19_C, C19_D,	١.,							
ľ	24 <sup>0</sup>	Capacitor	C19_E, C19_F,	l °							
			C19_G C19_H								
		Non Polarized	C20_A, C20_B, C20_C, C20_D,	l				l			
ŀ	320p	Capacitor	C20_E, C20_F,	8				l			
			C20_G, C20_H								
T			D1, D3, D4, D5, D6, D7, D8, D9,	I -				l			l
			D6, D7, D8, D9, D10, D11, D12,	l				l			
l.	Ð	General Purpose	D13, D14, D15_A	21				l			
ľ		LED	D15_B, D15_C,	21				l			
		l	D15_D, D15_E	l				l			
		1	D15_F, D15_G, D15_H	l				l			
		1N4148 General						<del>                                     </del>			
ŀ	IN4148	Purpose	D2	1				l			
		Switching Diode 38-Pin 2 Row		<u> </u>				<b></b>			
ļ	leader	38-Pin 2 Row Header	H1, H2	2				l			
			H3, H5, H6, H7,					<del>                                     </del>			
		l	H10, H12, H14,	l				l			
l	-leader	2-Pin Header	H15, H16, H17,	19				l			
		1	H19, H20, H21, H22, H23, H25,	1				l			
		1	H26, H27, H28	l				l			
			H4, H29 A, H29 B,								
	-leader	3-Pin Header	H29_C, H29_D,	9							
			H29_E, H29_F, H29_G H29_H	I				l			
	leader	8-Pin Header	H29_G, H29_H H8, H13	,				<del>                                     </del>			
	leader	10-Pin Header	H9	1							
	Header	6-Pin Header	H11, H24	2							
_	leader	4-Pin Header	H18 IC1, IC3_A, IC3_B,	1							
			103_C, 103_D,								
	NE5632N	Integrated Circuit	ICS E ICS F.	9							
- 1			IC3_G, IC3_H	l							
	5N138		IC2	1							
	KODX-5S-S2	Connector	JI, JB	1 2 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose	J1, J3 J2, J4, J5	1 2 3							
	KODX-5S-S2	Connector Connector General Purpose N-Channel	JI, JB	1 2 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose	J1, J8 J2, J4, J5 Q1	1 2 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose N-Channel MOSFET	J1, J3 J2, J4, J5 Q1 R1, R4, R10, R11,	1 2 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose N-Channel MOSFET	JI, J3 J2, J4, J5 Q1 R1, R4, R10, R11, R12, R13, R17, R23, R47, A	1 2 3 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB JZ, J4, J5 C1 R1, R4, R10, R11, R12, R13, R17, R23, R47_A R47_B, R47_C,	1 2 3 3							
	000x5ss2 99137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB JZ, J4, J5 Q1 R1, R4, R10, R11, R12, R13, R17, R23, R47_A R47_B, R47_C, R47_D, R47_E	1 2 3							
	CODX-5S-S2 391137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB JZ, J4, J5 Q1 RI, RI, RIO, RI1, RI2, RI3, RI7, R23, RI7, A RI7, B, RI7, C, RI7, B, RI7, C, RI7, F, RI7, C,	1 2 3 3 1							
	000x5ss2 99137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB  Z. JI, J5  Q1  RI, RI, RIQ, RI1, R12, R13, R17, R23, R17, A  R47, B, R47, G, R47, D, R47, E, R47, F, R47, G, R47, F, R47, R49, A  R49, B, R49, G, R49, B, R49, G, R49, B, R49, G,	1 2 3 3 1 1							
	000x5ss2 99137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB  Z. JI, J5  C1  R1, RI, R10, R11, R12, R13, R17, R23, R47, A  R47, B, R47, C, R47, L, R47, E, R47, L, R49, A  R49, B, R19, C, R49, D, R19, C, R49, D, R19, C, R49, D, R19, C, R49, D, R19, C, R19, D, R	1 2 3 1							
	000x5ss2 99137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB Z, JI, J5 Q1 R1, R4, R10, R11, R12, R13, R17, R23, R17, A R47, B, R47, C, R47, D, R47, E, R47, D, R47, E, R47, D, R49, E, R49, B, R49, C, R49, D, R49, E, R49, E, R49, C, R49, E, R49, G, R40, E, R40,	1 2 3 1							
	000x5ss2 99137710002	Connector Connector General Purpose N-Channel MOSFET	JI, JB  Z. JI, J5  C1  R1, RI, R10, R11, R12, R13, R17, R23, R47, A  R47, B, R47, C, R47, L, R47, E, R47, L, R49, A  R49, B, R19, C, R49, D, R19, C, R49, D, R19, C, R49, D, R19, C, R49, D, R19, C, R19, D, R	1 2 3 1							
	CDX-SSS2 391137710002 312302	Connector Connector General Purpose N-Channel MOSPET	JI, JB  Z, JI, JS  O1  RI, RI, RIO, RI1, RI2, RI3, RI7, RI2, RI3, RI7, RI7, B RI7, C, RI7, D, RI7, C, RI7, D, RI7, C, RI7, D, RI9, C, RI9,	1 2 3 1							
	GDK-5552 99137710002 32302	Connector Connector General Purpose N-Channel MOSPET Resistor	JI, JB  Z. JI, JS  C1  R1, RI, R10, R11, R12, R13, R17, R23, R17, A  R47, B, R47, C  R47, D, R47, E  R47, F, R47, C  R49, D, R49, E  R49, E, R49, G  R44, B, R44, G	4							
	CDX-SSS2 391137710002 312302	Connector Connector General Purpose N-Channel MOSPET	JI, JB  Z, JI, JS  O1  RI, RI, RIO, RI1, RI2, RI3, RI7, R23, RI7, A  RI7, B, RI7, C, RI9, B, RI9, C, RI9, RI9, RI9, C, RI9, RI9, RI9, C, RI9, RI9, RI9, C, RI9, RI9, RI9, RI9, RI9, RI9, RI9, RI9,	1 2 3 3 1 1 24							
	GDK-5552 99137710002 32302	Connector Connector General Purpose N-Channel MOSPET Resistor	JI, JB  Z, JI, JS  C1  R1, RI, R10, R11, R12, R13, R17, R23, R17, A  R47, B, R47, G,  R47, D, R47, E,  R47, F, R47, G,  R47, F, R47, G,  R49, B, R49, G,  R49, B, R49, G,  R49, B, R49, G,  R49, B, R41, G,  R44, B, R44, G,  R44, F, R44, G,	4							
	GDK-5552 99137710002 32302	Connector Connector General Purpose N-Channel MOSPET Resistor	JI. JB.  E. JH., E.  Q1  RI, BA, R10, R11, R12, R13, R17, R23, R17, R47, E, R47, C, R47, D, R47, E, R47, D, R47, E, R47, D, R49, E, R49, D, R49, E, R41, D, R44, E, R44, D, R44, E, R4	4							
	400x4582 499137710002 32302 400k	Connector Connector Connector General Purpose N-Channel MOSFET Resistor Resistor	J. J. S. Z. J. S. G1 R1, R4, R10, R11, R12, R3, R17, R22, R17, A R17, R4, R10, R11, R12, R13, R17, R12, R17, A R17, L R17	4							
	GDK-5552 99137710002 32302	Connector Connector General Purpose N-Channel MOSPET Resistor	J., S.  L. J., S.  CI  RI., RIA, RIO, RIT.,  RI.2, RIS, RIT.,  RIZ, RIS, RIS,  RIZ, RIS, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ,  RIS,  RIS,	4							
	400x4582 499137710002 32302 400k	Connector Connector Connector General Purpose N-Channel MOSFET Resistor Resistor	J., J., S.  C1  R1, R1, R10, R11, R12, R13, R17, R12, R13, R17, R12, R13, R17, R12, R17, R17, R17, R17, R17, R17, R17, R17	4							
	(CDX:4582) 991/337/1002 32232 100k	Connector Connector General Purpose N-Channel MOSPET Resistor Potentionmeter Potentionmeter	J., S.  Z. M., E.  C1  R1, R1, R10, R11, R12, R13, R17, R17, R17, R17, R17, R17, R17, R17	10							
	400x4582 499137710002 32302 400k	Connector Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor	J., B.  Z. M., E.  CO 1  RI, RII, RIO, RIT, RIZ, RIS, RIT, RIZ, RIS, RIT, RIZ, RIS, RIT, RIZ, RIS, RIT, RIZ, RIT, RIT, D. RIT,	4							
	(CDX:4582) 991/337/1002 32232 100k	Connector Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor	J., S.  Z. M., E.  C1  R1, R1, R10, R11, R12, R13, R17, R17, R17, R17, R17, R17, R17, R17	10							
	(CDX:4582) 991/337/1002 32232 100k	Connector Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor	J., B.  ZH, S.  CH (ST, MA, STO, ST), ST, ST, ST, ST, ST, ST, ST, ST, ST, ST	10							
	(CDX-SSS2)  901/377/0002  902/302/202  100k	Connector Connector Connector Connector General Purpose Notament MACPET Resistor Patentionmeter Patentionmeter Resistor	J., B.  CH. 18, 1910, R11, R12, R13, R14, R10, R11, R12, R13, R17, R12, R13, R17, R12, R13, R17, R12, R13, R13, R14, R14, R14, R14, R14, R14, R14, R14	10							
	(CDX:4582) 991/337/1002 32232 100k	Connector Connector Connector Connector General Purpose Notament MACPET Resistor Patentionmeter Patentionmeter Resistor	J., J., S.  2.14, S.  CO.  RI, RI, RIO, RIT, RIZ, RIS, RIT, RIZ, RIS, RIT, RIZ, RIS, RIT, RIC, RIS, RIT, RIC, RIS, RIT, RIC, RIC, RIC, RIMO, RIC, RIMO, RIMO	10							
	(CDX-SSS) 2991(3771002) 2991(3771002) 2992(202	Connector Connector Connector Connector General Purpose No-Channel MLOPET Resistor Petentionmeter Petentionmeter Resistor	J., B.  ZH, S.  GT INI, RING, RIT, RICE, RIMFT, RI	10							
	400x4582 99133771002 9913777002 100x	Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Resistor Resistor Resistor Resistor	J., B.  Z.H., E.  RI, NI, NIO, RIT,  RI, NI, NIO, RIT,  RIZ, RIS, RIT,  REZ, RIS,  REZ,  REZ,	10							
	(CDX-SSS: 2811/371/0002) 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor Resistor Resistor	J., B.  ZH, S.  CH  CH  CH  CH  CH  CH  CH  CH  CH  C	10							
	GDX-SSS2 991137710022 32202 32202 10k	Connector Connector Connector Connector Connector Connector Propose Resistor Resistor Petentionmeter Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	J., B.  Z. H., E.  COT  ST. RIL, RID, RIT.,  RIZ, RIS, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ, RIS,  RIZ,  RIS,  RI	10							
	(ODX-SSS: 991137710002 991137710002 90137710002 9000k 9000k 9000k 9000k	Connector Connector Connector Connector Resistor	J., B.  ZH, S.  CHI, S. M. RIO, RH.  ST, SH, SHO, RH.  SH,	10							
	GDX-SSS2 991137710022 32202 32202 10k	Connector Connector Connector Connector Connector Connector Connector Connector Resistor	J., B.  Z. H., E.  ST. BI, R10, R11, R12, R03, R17, R12, R13,	10							
	(ODX-SSS: 991137710002 991137710002 90137710002 9000k 9000k 9000k 9000k	Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor	J., B.  Z. H., E.  CH  RI, RI, RIO, RH I.,  RIZ, RIS, RIY,  RIZ,  RI	10							
	(CDX-SSS: 281137710002 32202 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Connector Connector Connector Resistor	J., B.  Z. H., E.  CHI, M., RHO, RHI, RHI, RHI, RHI, RHI, RHI, RHI, RHI	10							
	(CDX-SSS) and (C	Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Petentionmeter Resistor	J., B.  J., B.	10							
	(CDX-SSS: 281137710002 32202 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Resistor	J., B.  J., B.  J., B.  J., B.  RI, RI, RIO, RIT.,  RIC, RIM, RIV.,  RIC, RIM, RIV.,  RIC, RIM, RIV.,  RIV.,	10							
	(CDX-SSS) and (C	Connector Connector Connector Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Resistor	J., B.  J., B.  J., B.  J., B.  G. I. R. I	10							
	GDX-SSS2 991137710022 912022 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Connector Resistor	J., B.  J., B.	10							
	(CDX-SSS) and (C	Connector Connector Connector Connector Connector Connector Connector Connector Resistor Resistor Potentionmeter Resistor	J., B.  J., B.  J., B.  J., B.  G.  G.  G.  G.  G.  G.  G.  G.  G.	10							
	GDX-SSS2 991137710022 912022 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Connector Resistor	J., B.  J., B.	10							
	GDX-SSS2 901137710002 912002 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Connector Rupose No Connector Rupose No Connector Rupose No Connector Resistor	J., B.  J., B.	10							
	GDX-SSS2 991137710022 912022 100k 100k 100k 100k 100k 100k 100k	Connector Connector Connector Connector Connector Connector Resistor	J., B.  J., B.	10							
	### ### ##############################	Connector Connector Connector Connector Connector Connector Resistor	J., B.  J., B.	10							
	GDX-SSS: 981137710002 91137710002 912002 9100k 9	Connector Connector Connector Connector Connector Resistor	J., B.  J., B.	10							
	GDX-SSS: 981137710002 91137710002 912002 9100k 9	Connector Connector Connector Connector Connector Connector Resistor	J. J. S.  J. J. S.  J. J. S.  GT  GT  GT  GR  GR  GR  GR  GR  GR  GR	10							