



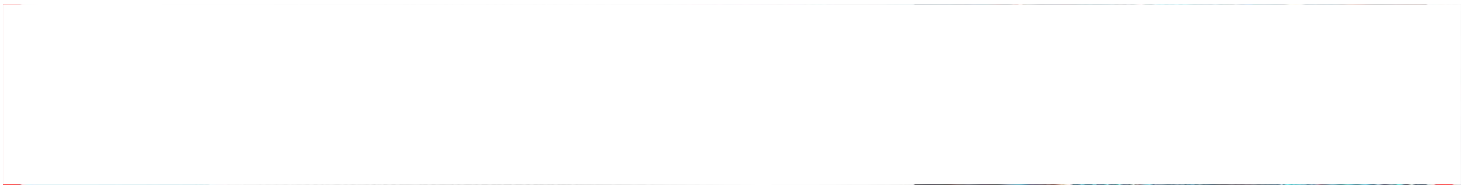
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$PACKAGES
'BGA-121_L10.0-W10.0-R11-C11-P0.80-TL' ! 'CYUSB3014-BZXI_C57294' !
; U1
'CAP-TH_BD10.0-P5.00-D1.0-FD' ! 400BXC10MEFC10X16 ! ; C40 C50
'CON_TP_TH_V_RED_KEC_5000' ! 'Test Point' ! ; TP1 TP2 TP3 TP4 TP5
TP6 TP7 TP8
'CONN-TH_3P-P5.00_WJ500V-5.08-3P' ! 'WJ500V-5.08-3P' ! ; CON1 CON2
CON3
'HC-49S_L11.4-W4.8-LS12.3' ! '9C-19.200MAAJ-T' ! ; Y1
'IND-SMD_L3.0-W3.0_LVS303015H-2R2M-N' ! LQH3NPN100MJRL ! ; L1 L2
'IND-SMD_L3.2-W2.5_82103C' ! LQH32CN100K23L ! ; L4
'IND-SMD_L4.0-W4.0' ! SWPA4030S100MT ! ; L3
'KEY-SMD_L6.0-W3.5-LS9.0' ! 'PTS635SL43SMTR LFS' ! ; SW1
'LED0805-R-RD_GREEN' ! SZYY0805YG ! ; D1 D2 D3
'LED1206-R-RD_GREEN' ! 'HSMG-C150' ! ; D7 D9 D11 D13
'SMA_L4.4-W2.6-LS5.0-RD' ! '3SMAJ5929B-TP' ! ; D4 D5
'SMB_L4.3-W3.6-LS5.4-RD' ! 'SZP6SMB6.8AT3G' ! ; D6 D8 D10
'SMB_L4.6-W3.6-LS5.3-RD' ! 'SMBJ3V3-E3/52' ! ; D12
'SOIC-8_L4.9-W3.9-P1.27-LS6.0-BL' ! 'M24M01-RMN6TP' ! ; U3
'SOT-9X3-3_L1.0-W0.8-P0.35-LS1.0-BR' ! TPD2EUSB30DRTR ! ; U5 U6 U7
'TEST-TH_BD2.54-P1.39' ! 5002 ! ; TP9 TP10 TP11 TP12 TP13 TP14
TP15 TP16 TP17 ,
    TP18 TP19 TP20 TP21
'VQFN-20_L3.5-W3.5-P0.50-BL-EP2.0' ! TPS7A8300RGRR ! ; U8 U11 U16
692221030100 ! '692221030100_' ! ; J1
AXK5S80047YG ! 'Connector_to TRX_Board' ! ; P1 P2
C0201 ! 'TMK063ABJ104KP-F' ! ; C41 C51
C0402 ! 'EMK105B7104KV-F' ! ; C1 C3 C6 C8 C10 C12 C14 C16 C17 C22
C23 C24 C25 ,
    C26 C28 C30 C32 C33 C34 C35 C36 C37 C38 C39 C43 C47 C54 C58
C60 C64 ,
    C65 C69 C72 C76 C88 C98 C99 C100 C101 C102 C103
C0402 ! 0402CG330J500NT ! ; C55 C68
C0402 ! C1005X7R1E103KT000F ! ; C81 C82 C83 C86 C92 C93
C0402 ! CL05B103K05NNNC ! ; C2 C9 C11 C13 C18 C19 C20 C21 C27
C0402 ! GRM1555C1H100JA01D ! ; C4 C5
C0402 ! GRM155R60J225ME15D ! ; C7
C0603 ! '0603YD105KAT2A_C597247' ! ; C59 C63 C70
C0603 ! GRM1885C1H151JA01D ! ; C52
C0603 ! GRM188C81C106MA73D ! ; C42 C44 C45 C46 C48 C49 C53 C56 C57
C61 C62 ,
    C66 C67 C71 C73 C74 C75 C77 C78 C79 C80 C84 C85 C87 C89 C90
C91 C94 ,
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'\$1I1617\FX3_I2C_SCL' ; R19.1 R20.2 U1.D9 U3.6	
'\$1I1617\FX3_I2C_SDA' ; R20.1 U1.D10 U3.5	
'\$1I1617\FX3_PMODE0' ; R23.2 R24.1 U1.G4	
'\$1I1617\FX3_PMODE1' ; R27.2 R28.1 U1.H4	
'\$1I1617\FX3_PMODE2' ; R31.2 R32.1 U1.L4	
'\$1I1617\FX3_RST' ; C33.2 R18.1 SW1.1 U1.C5	
'\$1I1617\SSRXM' ; J1.8 U1.A3 U7.2	
'\$1I1617\SSRXP' ; J1.9 U1.A4 U7.1	
'\$1I1617\SSTXM' ; C38.1 U1.A6	
'\$1I1617\SSTXP' ; C39.1 U1.A5	
'\$1I1617\U1_J11' ; C25.1 C26.1 U1.J11 U1.L7	
'\$1I1617\USB_5V' ; C34.1 FB6.1 U1.E11	
'\$1I1617\VCC_FX3_CVDDQ' ; R18.2 R22.2 R26.2 R30.2	
'\$1I2635\1N115118' ; FB8.1 R35.2	
'\$1I2635\1N117214' ; C67.2 FB9.1 FB11.1 R43.2	
'\$1I2635\1N122518' ; C55.2 C66.2 R39.2 R40.2 R43.1 U14.5	
'\$1I2635\1N122534' ; C55.1 U14.4	
'\$1I2635\1N122663' ; C61.2 C68.2 FB10.1 R42.2 R45.2	
'\$1I2635\1N122666' ; C68.1 R44.2 R45.1 U15.5	
'\$1I2635\1N123006' ; C83.1 U16.13	
'\$1I2635\1N15572' ; C56.2 R42.1 U15.3 U15.4	
'\$1I2635\1N16990' ; CON3.1 L3.1	
'\$1I2635\1N17064' ; CON3.3 L4.1	
'\$1I2635\1N20248' ; D9.2 R46.1	
'\$1I2635\1N20412' ; D7.1 R41.1	
'\$1I2635\1N24825' ; C81.1 R50.2 U16.3	
'\$1I2635\1N24920' ; C73.2 C81.2 R48.2 U16.1 U16.2 U16.19 U16.20	
'\$1I2635\1N2542' ; C48.2 C52.2 R35.1 R36.2 U13.3 U13.4	
'\$1I2635\1N27656' ; R50.1 U16.4	
'\$1I2635\1N31885' ; C82.1 U11.3	
'\$1I2635\1N33908' ; R51.1 U11.4	
'\$1I2635\1N3467' ; C52.1 R36.1 R37.2 U13.5	
'\$1I2635\1N35280' ; D11.1 R47.1	
'\$1I2635\1N4177' ; CON1.1 L1.1	
'\$1I2635\1N42079' ; D13.1 R52.1	
'\$1I2635\1N4302' ; CON1.3 L2.1	
'\$1I2635\1N49466' ; C74.2 C82.2 R49.2 R51.2 U11.1 U11.2 U11.19	
U11.20	
'\$1I2635\1N50632' ; C86.1 U11.13	
'\$1I2635\1N51011' ; C93.1 U8.13	
'\$1I2635\1N52931' ; C89.2 FB12.1 R54.2	
'\$1I2635\1N54216' ; C92.1 U8.3	
'\$1I2635\1N54358' ; C92.2 FB12.2 FB13.2 R56.2 U8.1 U8.2 U8.19	
U8.20	
'\$1I2635\1N54501' ; R56.1 U8.4	
'\$1I2635\1N56466' ; C95.2 FB13.1 R57.2	
'\$1I2635\1N793' ; FB7.1 R34.2	
'\$1I2635\1N802' ; C45.2 R34.1 U12.3 U12.4 U12.5	
'\$1I2635\1N9090' ; R39.1 U14.3	
'\$1I2635\RX_5V_INT' ; C42.2 C43.2 C44.2 C47.2 C53.2 C54.2 C57.2	

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<div>'1.2V_DVDD' ; C46.2 FB7.2 P2.19 P2.21 TP18.1</div> <div>'1.8DVDD' ; P2.47 P2.49</div> <div>'1.8V_AVDD_VCA' ; C69.2 C70.2 FB11.2 P1.59 P1.60 P1.61 P1.62 TP15.1</div> <div>'1.8V_AVDD' ; C58.2 C59.2 FB9.2 P1.51 P1.52 P1.53 P1.54 P1.55 P1.56</div> <div>P2.39 ,</div> <div>TP16.1</div> <div>'1.8V_DVDD_FX3' ; C1.2 C2.1 C8.2 C9.1 C10.2 C11.1 C12.1 C13.2 C14.2</div> <div>C15.2 ,</div> <div>C16.1 C17.1 C18.2 C19.2 C20.2 C21.2 C22.1 C23.1 C24.1 C36.1</div> <div>C90.1 ,</div> <div>C91.1 FB2.2 R19.2 R24.2 R28.2 R32.2 R54.1 TP10.1 U1.B1</div> <div>U1.B6 U1.B10 ,</div> <div>U1.C3 U1.C11 U1.E3 U1.E9 U1.F1 U1.F11 U1.H1 U1.H11 U1.L5</div> <div>U1.L9 U3.8</div> <div>'3.3V_AVDD' ; C49.2 FB8.2 P1.65 P1.66 P1.67 P1.68 TP13.1</div> <div>'AVDD_IO' ; C63.2 C64.2 FB10.2 P2.68 P2.70 TP14.1</div> <div>'CLK_DC1' ; P2.43 TP19.1</div> <div>'CLK_DC2' ; P2.44 TP20.1</div> <div>'CLK_DC3' ; P2.40 TP21.1</div> <div>'CLKIN_FX3' ; P2.30 R7.1</div> <div>'FPGA_2P5V' ; C84.1 C85.1 C87.1 C88.2 C94.1 CON2.3 D12.1 R52.2</div> <div>TP4.1 U8.12 ,</div> <div>U8.14 U8.15 U8.16 U8.17 U11.12 U11.14 U11.15 U11.16 U11.17</div> <div>U16.12 ,</div> <div>U16.14 U16.15 U16.16 U16.17</div> <div>'FX3_A0' ; P2.7 U1.H5</div> <div>'FX3_A1' ; P2.8 U1.J5</div> <div>'FX3_CLK' ; P1.46 U1.J6</div> <div>'FX3_CTL' ; P2.6 U1.L8</div> <div>'FX3_FLAGA' ; P2.3 U1.G7</div> <div>'FX3_FLAGB' ; P2.4 U1.G6</div> <div>'FX3_GPO0' ; P2.11 U1.K6</div> <div>'FX3_GPO1' ; P2.13 U1.G5</div> <div>'FX3_GPO2' ; P2.12 U1.H6</div> <div>'FX3_GPO3' ; P2.14 U1.K5</div> <div>'FX3_INITB' ; P2.28 R11.2</div> <div>'FX3_PKTEND' ; P2.15 U1.H8</div> <div>'FX3_PRGB' ; P2.26 R14.2</div> <div>'FX3_SLCS' ; P2.2 U1.K8</div> <div>'FX3_SLOE' ; P2.1 U1.J7</div> <div>'FX3_SLRD' ; P2.5 U1.H7</div> <div>'FX3_SLWR' ; P2.16 U1.K7</div> <div>'RX_5V' ; C75.1 C76.2 CON2.1 D10.1 R47.2 R53.1 TP7.1</div> <div>'TX_-5V' ; C71.1 C72.2 D8.2 L4.2 P2.67 P2.69 R46.2 TP6.1</div> <div>'TX_5V' ; C62.1 C65.2 D6.1 L3.2 P2.57 P2.58 P2.59 P2.60 P2.61 P2.62</div> <div>R41.2 ,</div> <div>R55.1 TP5.1</div> <div>'UART_RX' ; P2.29 U1.D5</div> <div>'UART_TX' ; P2.25 U1.C2</div> <div>'VCC_AUX_1V8' ; C96.1 C97.1 P2.20 P2.22 R57.1 TP17.1</div>	<div><div>symplr.</div><div></div></div>



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P1.18 P1.23 ,  
P1.24 P1.29 P1.30 P1.44 P1.47 P1.48 P2.9 P2.10 P2.17 P2.18  
P2.23 P2.24 ,  
P2.27 P2.31 P2.32 P2.37 P2.38 P2.41 P2.42 P2.45 P2.46 P2.51  
P2.52 ,  
P2.53 P2.54  
D0 ; P1.1 U1.F9  
D1 ; P1.2 U1.K11  
D10 ; P1.19 U1.G9  
D11 ; P1.20 U1.J8  
D12 ; P1.21 U1.J9  
D13 ; P1.22 U1.F7  
D14 ; P1.25 U1.H9  
D15 ; P1.26 U1.E5  
D16 ; P1.27 U1.G8  
D17 ; P1.28 U1.E4  
D18 ; P1.31 U1.F5  
D19 ; P1.32 U1.F3  
D2 ; P1.5 U1.F10  
D20 ; P1.33 U1.F4  
D21 ; P1.34 U1.J4  
D22 ; P1.35 U1.J3  
D23 ; P1.36 U1.K2  
D24 ; P1.37 U1.H3  
D25 ; P1.38 U1.K1  
D26 ; P1.39 U1.G3  
D27 ; P1.40 U1.J2  
D28 ; P1.41 U1.H2  
D29 ; P1.42 U1.J1  
D3 ; P1.6 U1.J10  
D30 ; P1.43 U1.G2  
D31 ; P1.45 U1.E1  
D4 ; P1.9 U1.G10  
D5 ; P1.10 U1.K10  
D6 ; P1.13 U1.H10  
D7 ; P1.14 U1.L10  
D8 ; P1.15 U1.F8  
D9 ; P1.16 U1.K9  
GND ; C1.1 C2.2 C3.2 C4.1 C5.1 C6.2 C7.1 C8.1 C9.2 C10.1 C11.2  
C12.2 C13.1 ,  
C14.1 C15.1 C16.2 C17.2 C18.1 C19.1 C20.1 C21.1 C22.2 C23.2  
C24.2 ,  
C25.2 C26.2 C27.1 C28.2 C29.1 C30.2 C31.1 C32.2 C33.1 C34.2  
C35.2 ,  
C36.2 C37.2 C40.1 C41.2 C42.1 C43.1 C44.1 C45.1 C46.1 C47.1  
C48.1 ,  
C49.1 C50.1 C51.1 C53.1 C54.1 C56.1 C57.1 C58.1 C59.1 C60.1  
C61.1 ,  
C62.2 C63.1 C64.1 C65.1 C66.1 C67.1 C69.1 C70.1 C71.2 C72.1  
C73.1 ,



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D2.2 D3.2 ,  
D4.2 D5.1 D6.2 D7.2 D8.1 D9.1 D10.2 D11.2 D12.2 D13.2 FB5.1  
FB14.1 ,  
FB15.1 FB16.1 FB17.1 FB18.1 FB19.1 J1.4 P1.49 P1.50 P1.57  
P1.58 P1.63 ,  
P1.64 P1.69 P1.70 P1.71 P1.72 P1.73 P1.74 P2.55 P2.56 P2.63  
P2.64 ,  
P2.65 P2.66 P2.71 P2.72 P2.73 P2.74 R1.1 R2.1 R3.1 R4.1  
R5.1 R6.1 R8.1 ,  
R9.1 R12.2 R15.2 R16.1 R17.1 R21.1 R23.1 R25.1 R27.1 R29.1  
R31.1 R33.1 ,  
R37.1 R38.1 R40.1 R44.1 SW1.2 TP3.1 TP8.1 U1.A1 U1.A8 U1.B7  
U1.B8 ,  
U1.B9 U1.D1 U1.D8 U1.D11 U1.E2 U1.F2 U1.G1 U1.G11 U1.K3  
U1.K4 U1.L1 ,  
U1.L2 U1.L3 U1.L6 U1.L11 U3.2 U3.3 U3.4 U3.7 U5.3 U6.3 U7.3  
U8.7 U8.8 ,  
U8.10 U8.18 U8.21 U11.7 U11.8 U11.18 U11.21 U12.6 U12.9  
U13.6 U13.9 ,  
U14.6 U14.9 U15.6 U15.9 U16.8 U16.9 U16.18 U16.21  
HVM ; C50.2 C51.2 D5.2 L2.2 P2.79 P2.80 R38.2 TP2.1  
HVP ; C40.2 C41.1 D4.1 L1.2 P1.79 P1.80 R33.2 TP1.1  
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\$END

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