



Client/Customer:	Yuri Ermoline	Through pins:	596	
DATE:	23-May-2012	SMD pins on TOP:	2123	
Dessinateur/Drawn by:	Pascal Vulliez	SMD pins on BOTTOM:	402	
TE/MPE/EM	Board dimensions: 160.0x233.4mm (Composants sur TOP: 232, sur BOTTOM: 201)		Total nb of pins:	3121

Ref.	Qty	SCEM	Description	Value	Fournisseur/Supplier	Boitier/Outline
Matériel monté sur le PCB / Parts mounted on the PCB						
C1,C7->C10	5		25V 10% SMD X7R Ceramic Capacitor	10uF	GENERIC CC1210_10UF_25V_10%_X7R	1210
C2,C3,C21->C41 C68->C84,C127->C152	66		16V 10% SMD X7R Ceramic Capacitor	100nF	GENERIC CC0603_100NF_16V_10%_X7R	0603
C5	1		Low-ESR Polymer Tantalum Capacitor	330uF	KEMET T520D337M2R5ASE015	D
C11->C20	10		10V 20% SMD X5R Ceramic Capacitor	100uF	GENERIC CC1210_100UF_10V_20%_X5R	1210
C42->C67,C85,C86	28		10V 10% SMD X5R Ceramic Capacitor	100nF	GENERIC CC0402_100NF_10V_10%_X5R	0402
C103	1		16V 10% SMD X7R Ceramic Capacitor	470nF	GENERIC CC1206_470NF_16V_10%_X7R	1206
C104	1		16V 10% SMD X7R Ceramic Capacitor	10nF	GENERIC CC0402_10NF_16V_10%_X7R	0402
FH1	1		Very Fast Fuse Holder for Printed Circuit Board		LITTELFUSE 154.003	
FH2	1		Very Fast Fuse Holder for Printed Circuit Board		LITTELFUSE 154.001	
FH3,FH4	2		Very Fast Fuse Holder for Printed Circuit Board		LITTELFUSE 154.005	
FH5	1		Very Fast Fuse Holder for Printed Circuit Board		LITTELFUSE 154.002	
IC1->IC3,IC5,IC6 IC30->IC32,IC43	9		Low Voltage Octal Bidirectional Transceiver with 3-STATE Inputs/Outputs		FAIRCHILD SEMICONDUCTOR 74LVT245WM	SOIC20
IC4	1		Octal Buffer with Non-Inverted 3-State Outputs		NXP/PHILIPS 74LVT244WM	SOIC20
IC7->IC12,IC16,IC41	8		TinyLogic HS Inverter with Schmitt Trigger Input		FAIRCHILD NC7S14P5X	SOT23_5
IC13	1		Spartan-3 AN Generation FPGA		XILINX XC3S200A-FTG256	BGA
IC14	1		Virtex-6 Family VLX FPGA Speed Grade 1		XILINX XC6VLX240T-1FFG784C	BGA
IC15,IC18,IC36,IC38 IC45,IC46	6		Single 2-Input AND Gate		FAIRCHILD NC7SZ08M5	SOT23_5
IC17,IC37	2		Dual Retriggerable Monostable Multivibrator with Reset		TEXAS INSTRUMENTS SN74LS123D	SOIC16
IC19,IC29	2		24-Bit FET 2.5-V/3.3-V Low-Voltage Bus Switch with 5-V Tolerant Level Shifter		TEXAS INSTRUMENTS SN74CB3T16211DGG	TSSOP56
IC20,IC22,IC25	3		3.3V 5-Tap Economy Timing Element (Delay Line)		DALLAS DS1100LZ-25+	SOIC8
IC21,IC23	2		TinyLogic UHS Two-Input NAND Gate		FAIRCHILD NC7SZ00M5	SOT23_5
IC24	1		Quad 2-input NAND Buffer with Open Collector Outputs		NXP/PHILIPS 74HC38D	SOIC14
IC26	1		Dual D-Type Flip-Flop		NXP/PHILIPS 74ABT74D	SOIC14
IC27	1		Hex Inverter		TEXAS INSTRUMENTS SN74LS04D	SOIC14
IC28	1		High Speed CMOS Logic 8-Input NAND Gate		TEXAS INSTRUMENTS CD74HC30M	SOIC14
IC33->IC35	3		3-State Octal D_Type Edge-Triggered Flip-Flop		FAIRCHILD SEMICONDUCTOR MM74HC574WM	SOIC
IC39	1		Quadruple 2-Line To 1-Line Data Selector/Multiplexer		TEXAS INSTRUMENTS 74LXC157	SOIC16
IC40	1		266MbD Optical Receiver		AVAGO TECHNOLOGIES HFBR-2119TZ	
IC42	1		Triple PECL Input to LVPECL Output Translator		ON SEMICONDUCTOR MC100LVEL92DWG	SOIC20
IC44	1		System ACE Compact Flash (CF) Controller Chip		XILINX XCCACE-TQG144	TQFP144
IC47	1		Processor Supervisory Circuits		TEXAS INSTRUMENTS TPS3825-33DBVT	SOT23-5
IC48->IC52	5		6A 5V Input Non-Isolated Wide Output Adjust Power Module		TEXAS INSTRUMENTS PTH05050WAH	
J1	1	09.61.35.050.5	Male Connector C/3, 30 Solder		ERNI 424189	
J2	1		2mm Pitch Shrouder Header Right Angle		MOLEX 87833-1420	
J3,J4	2		60 Contacts 0.50mm Pitch High-Speed Socket Strip - QSH Series		SAMTEC QSH-030-01-X-D-A	
L1	1		Chip Ferrite Bead		MURATA BLM21PG331SN1	0805
L2,L3	2		GHz Noise Chip Ferrite Bead BLM18H Series		MURATA BLM18HK102SN1	0603
LD1->LD4,LD7	5		Yellow SMD Chip LED	Yellow	AVAGO TECHNOLOGIES HSMY-C170	0805
LD5,LD6,LD9,LD10 LD12	5		Green SMD Chip LED	Green	AVAGO TECHNOLOGIES HSMG-C170	0805
LD8,LD11	2		High Efficiency Red SMD Chip LED	HER	AVAGO TECHNOLOGIES HSMS-C170	0805
P1	1		2.54mm Pitch 160 Poles(ABCDZ32) DIN 41612 HAR-BUS Right-Angle Male Connector		HARTING 02 01 160 2101	



EDA-02515-V1-0

CMX VME Testboard

(Les composants doivent être fournis ROHS autant que possible) Liste de matériel / Material List (Parts must be supplied ROHS as much as possible)

	Client/Customer:		Yuri Ermoline			Through pins:		596
	DATE:		23-May-2012			SMD pins on TOP:		2123
	Dessinateur/Drawn by:		Pascal Vulliez			SMD pins on BOTTOM:		402
	TE/MPE/EM		Board dimensions: 160.0x233.4mm (Composants sur TOP: 232, sur BOTTOM: 201)			Total nb of pins:		3121
Ref.	Qty	SCEM	Description	Value	Fournisseur/Supplier		Boitier/Outline	
P2	1		2.54mm Pitch 160 Poles(ABCDZ32) DIN 41612 HAR-BUS Right-Angle Male Connector		HARTING 02 01 160 2101			
QZ1	1		Crystal Oscillator SPXO SG-310 Series	40.0MHz	CRYSTAL OSCILLATOR SG-310 SCFC40.0MHZ			
QZ2	1		Crystal Oscillator SPXO SG-310 Series	20.0MHz	CRYSTAL OSCILLATOR SG-310 SCFC20.0MHZ			
R1->R6,R26,R27	8	11.24.03.222.3	0.1W 1% SMD Resistor	220	GENERIC R0603_220R_1%_0.1W_100PPM		0603	
R7,R9,R10,R18 R39,R40,R43->R82 R91->R94	50	11.24.03.347.1	0.1W 1% SMD Resistor	4.7k	GENERIC R0603_4K7_1%_0.1W_100PPM		0603	
R8	1		0.063W 0.1% SMD Resistor	330	GENERIC R0603_330R_0.1%_0.063W_25PPM		0603	
R11,R15,R16,R23	4	11.24.03.230.3	0.1W 1% SMD Resistor	300	GENERIC R0603_300R_1%_0.1W_100PPM		0603	
R12->R14,R17	4	11.24.03.522.4	0.1W 1% SMD Resistor	220k	GENERIC R0603_220K_1%_0.1W_100PPM		0603	
R19,R22,R35,R38 R41,R88,R90	7	11.24.03.182.8	0.1W 1% SMD Resistor	82	GENERIC R0603_82R_1%_0.1W_100PPM		0603	
R20,R21,R36,R37 R42,R87,R89	7	11.24.03.213.4	0.1W 1% SMD Resistor	130	GENERIC R0603_130R_1%_0.1W_100PPM		0603	
R24,R25	2	11.24.03.000.5	0603 Size SMD Jumper	00	GENERIC R0603_00_JUMPER		0603	
R28->R34,R83->R86	11	11.24.03.300.6	0.1W 1% SMD Resistor	1k	GENERIC R0603_1K_1%_0.1W_100PPM		0603	
R95	1		0.1W 1% SMD Resistor	698	GENERIC R0603_698R_1%_0.1W_100PPM		0603	
R96	1	11.24.03.251.8	0.1W 1% SMD Resistor	510	GENERIC R0603_510R_1%_0.1W_100PPM		0603	
R97	1	11.24.03.436.1	0.1W 1% SMD Resistor	36k	GENERIC R0603_36K_1%_0.1W_100PPM		0603	
R98,R101	2	11.24.03.322.0	0.1W 1% SMD Resistor	2.2k	GENERIC R0603_2K2_1%_0.1W_100PPM		0603	
R99	1	11.24.03.324.8	0.1W 1% SMD Resistor	2.4k	GENERIC R0603_2K4_1%_0.1W_100PPM		0603	
R100	1		0.1W 1% SMD Resistor	15k	GENERIC R0603_15K_1%_0.1W_100PPM		0603	
SKT1	1		1.27mm Pitch CF Card Header - Right Angle Top Mounting for Type I and II Cards with Ejector (to be Purchased Separately)		MOLEX 55358-5029 + 55356-0011			
ST1->ST4,ST17->ST28 ST31->ST47,ST50->ST66 ST68	51	09.55.10.708.9	2Pins of 6.3mm Height Receptacle for Short Circuit Shunt		COMATEL 38603581 08440			
ST5->ST16	12	09.55.10.708.9	3Pins of 6.3mm Height Receptacle for 2 Positions Short Circuit Shunt		COMATEL 38603581 08440			
ST29,ST48,ST49,ST67	4	07.88.24.516.1	10.16mm Pitch PCB Metallic Jumper (for Probe)					
ST30	1	09.55.10.708.9	3 Pins of 6.3mm Height Vertical Male Header		COMATEL 38603581 08440			
SW1	1		Sealed SMD Tactile Switch (without Ground Terminal)		OMRON B3SN-3012G			
Matériel non monté / Not mounted parts								
C4,C6	2		16V 10% SMD X5R Ceramic Capacitor	22uF	GENERIC CC1210_22UF_16V_10%_X5R		1210	
C87,C88,C90->C102 C105->C125	36		10V 10% SMD X5R Ceramic Capacitor	100nF	GENERIC CC0402_100NF_10V_10%_X5R		0402	
C89,C126	2		16V 10% SMD X7R Ceramic Capacitor	100nF	GENERIC CC0603_100NF_16V_10%_X7R		0603	
TP1->TP30	30		Stand-Alone 0.8mm Hole for Test Probe					