"BILL OF MATERIAL"

FOR

" cPCI BASED ADVANCED LAUNCH COMPUTER & rKVM"

(P.O No: ASL/DA1P/RCI/R/DA1P/0213/20/4009/4002)

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DESG: APPLICATION ENGG.   **MANAGER**   **QUALITY MANAGER**

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FMT No.: DBPL-F-D&D-03

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INDEX

SECTION A: rKVM

	DESCRIPTION	PAGE NO
A1	COTS PRODUCTS BOM	04
A2	MISCELLEANEOUS COMPONENTS BOM	04
A3	MIL-CIRCULAR CONNECTORS BOM	04
A4	OUTSOURCED & FASTENERS BOM	05
A5	MECHANICAL PARTS BOM	06

SECTION B: cPCI BASED ADVANCED LAUNCH COMPUTER

	DESCRIPTION	PAGE NO
B1	COTS PRODUCTS BOM	07
B2	MISCELLEANEOUS COMPONENTS BOM	07
B3	SOFTWARES	07
B4	OUTSOURCED & FASTENERS BOM	08
B5	MECHANICAL PARTS BOM	09
B6	SPARE BOM	09

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

SECTION C: ACCESSORIES

DESCRIPTION		PAGE NO
C1	ACCESSORIES	10

SECTION D: CABLES

DESCRIPTION		PAGE NO
D1	CABLES	10

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

SECTION A: rKVM

A1: COTS PRODUCTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	G185HAN01.0	18.5" Display with AD board Resolution supports up to 1920*1080, 350nits Brightness. 89/89/89/89 Viewing angle	1	20	ELGENS	
2	EKSB-97-TP	Keyboard With integrate Touch pad	1	20	IKEY	
3	EF-1B006B20E-C02	EMI-RFI Filter	1	20	ELCOM	
4	LFA75F-12	AC to DC Power supply	1	20	COSEL	

A2: MISCELLEANEOUS COMPONENTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	MP0045/1E2/BL/012	ON /OFF Switch With Blue LED indication	1	20	BULGIN	
2	DBPL-HMKP-01	Horizontal Membrane Keypad	1	20	GVS ELECTRONICS	
3	761KS17	DC Jack	1	20	SWITCHCRAFT	
4	NA	ISO mark 3-Pin power socket	1	20	Anchor	

A3: MIL-CIRCULAR CONNECTORS BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	MS3102R-10SL-3P	Power Circular connector	1	20	AMPHENOL	
2	MS3106F-10SL-3S	Power Circular matting	1	20	AMPHENOL	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

A4: OUTSOURCED & FASTENERS BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	HG-TA45HR	TORQUE HINGES	2	40	SUGASTANE	
2	2807-16	ACCURIDE SLIDES	1 SET	20 SETS	ACCURIDE	
3	1241494	M6 HEX NUT	2	40	LPS	
4	1099183	M6 WING NUT	1	20	LPS	
5	1250744	M3x8 CSK SCREW (PHILIPS HEAD)	64	1280	LPS	
6	1250809	M4x12 PHILIPS CSK SCREWS	4	80	LPS	
7	1156497	M4x14 PHILIPS CSK SCREWS	12	240	LPS	
8	1250507	M3x12 PAN HEAD SCREWS	4	80	LPS	
9	1253565	M3 SPRING WASHER	4	80	LPS	
10	1253190	M3 PLAIN WASHERS	4	80	LPS	
11	1241443	M3 HEX NUT	4	80	LPS	
12	1250477	M3x6 PHILIPS PAN HEAD	8	160	LPS	
13	1241478	M4 HEX NUT	2	40	LPS	
14	1250426	M2.5x6 PAN HEAD SCREWS	4	80	LPS	
15	1233262	M5x8 SOCKET HEAD SCREWS	8	160	LPS	
16	1233106	M3x6 SOCKET HEAD SCREWS	4	80	LPS	
17	1111353	M4x14 SOCKET HEAD SCREWS	2	40	LPS	
18	1250558	M4x8 PAN HEAD (PHILIPS HEAD)	12	240	LPS	
19	1233181	M4X8 socket head screws	4	80	LPS	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

A5: MECHANICAL PARTS BOM

S. NO	DRAWING NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	DBPL-ARKVM-PD-01	ASL RKVM BOTTOM HOUSING	1	20	DATASOL	
2	DBPL-ARKVM-PD-02	ASL RKVM DISPLAY BEZEL	1	20	DATASOL	
3	DBPL-ARKVM-PD-03	ASL RKVM KRYBOARD PLATE	1	20	DATASOL	
4	DBPL-ARKVM-PD-04	DISPLAY COVER FOR ASL RKVM	1	20	DATASOL	
5	DBPL-ARKVM-PD-05	FRONT PLATE FOR ASL RKVM	1	20	DATASOL	
6	DBPL-ARKVM-PD-06	HANDLE P40xM4	2	40	DATASOL	
7	DBPL-ARKVM-PD-07	LIFTING HANDLE	1	20	DATASOL	
8	DBPL-ARKVM-PD-08	DISLPAY RHS SIDE FLANGE	1	20	DATASOL	
9	DBPL-ARKVM-PD-09	DISPLAY LHS SIDE FLANGE	1	20	DATASOL	
10	DBPL-ARKVM-PD-10	DISPLAY SUPPORT CLAMP	1	20	DATASOL	
11	DBPL-ARKVM-PD-11	DISPLAY SUPPORT CLAMP2	1	20	DATASOL	
12	DBPL-ARKVM-PD-12	HINGES SCREWS CLOSING BLOCK	1	20	DATASOL	
13	DBPL-ARKVM-PD-13	HINGES SCREWS CLOSING BLOCK2	1	20	DATASOL	
14	DBPL-ARKVM-PD-14	KEYBOARD CLOSING PLATE	1	20	DATASOL	
15	DBPL-ARKVM-PD-15	EMI SHIELDING WINDOWS	1	20	DATASOL	
16	DBPL-ARKVM-PD-16	HINGES BLOCK FOR ASL RKVM	2	40	DATASOL	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

SECTION B: cPCI BASED ADVANCED LAUNCH COMPUTER

B1: COTS PRODUCTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	cPCI-3510BLD/5700E/M8	2-slot (8HP) 3U CompactPCI blade with Intel® Core i7-5700EQ CPU and 8GB DDR3L-1333 ECC-soldered memory,DVI,2x GbE,1x USB 3.0, COM, 2xUSB 2.0, PS/2 KB/MS, Line-in, Line-out, CFast socket and SATA connector, -20C to +70C operation	1	20	ADLINK	
2	cPCI-R3P00	8 HP Rear I/O module for cPCI-3970 with GbE x2,COM x2, USB x2, SATA x3, VGA, 50mm depth	1	20	ADLINK	
3	cBP-3206	6 slots cPCI Backplane	1	20	ADLINK	
4	cBP-3061	cPCI power supply Backplane	1	20	ADLINK	
5	cPS-H325/AC	cPCI Power Supply: 3U height: 250W cPCI Plug-in PSU	1	20	ADLINK	
6	DGS25-01TD81BWAQC-J27	1TB 2.5" SATA III MLC SSD 3MG2-P WT	1	20	INNODISK	
7	80207-0	3U compact PCI carrier card for XMC PCI Express modules, 64-bit PCI. Support for PXI clock and trigger features (logic dependent)	1	20	MOLEX	
8	X3N1050TI-LFAB-DVI-B	NVIDIA GTX1050TI XMC 4GB 128bit/GDDR5 4*DVI, Air-cooled 60W768 CUDA Extended Temp: -20~+70degC	1	20	AETINA	

B2: MISCELLEANEOUS COMPONENTS BOM

S. NO	PART NO	DESCRIPTION	QTY /UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	MP0045/1E2/BL/012	ON /OFF Switch With Blue LED indication	1	20	BULGIN	

B3: SOFTWARE BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	RH0958488	RHEL 7.5 or Higher Workstation with media	-	2	EGLOBE	
2	NA	Linux Drivers Software & Sample test programs for all resources	-	1	DATASOL	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

B4: OUTSOURCED & FASTENERS BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	66-678-23	STANDARD EXTRUSION	4	80	ELMA	
2	66-144-23	STANDARD EXTRUSION	2	40	ELMA	
3	66-138-23	STANDARD EXTRUSION	2	40	ELMA	
4	61-950-01	CARD GUIDE	14	280	ELMA	
5	2907-16	ACCURIDE SLIDES	1	20	ACCURIDE	
6	47-92-121-20	M3 CAPTIVE SCREW	4	80	SOUTCO	
7	MF60151V3-1000U-A99	FAN 60x60	4	80	SUNON	
8	STD	FAN FINGER GUARD 60x60	4	80	STD	
9	1250434	M2.5x8 PAN HEAD (PHILIPS HEAD)	29	580	LPS	
10	1250744	M3x8 CSK SCREW (PHILIPS HEAD)	50	1000	LPS	
11	1250760	M3x12 CSK SCREW (PHILIPS HEAD)	16	320	LPS	
12	1250809	M4x12 PHILIPS CSK SCREW	4	80	LPS	
13	1250787	M4x8 CSK SCREW (PHILIPS HEAD)	6	120	LPS	
14	1250795	M4x10 CSK SCREW (PHILIPS HEAD)	32	640	LPS	
15	1250477	M3x6 PHILIPS PAN HEAD	4	80	LPS	
16	1075632	M4x25 PHILIPS CSK SCREW	16	320	LPS	
17	1241478	M4 HEX NUT	16	320	LPS	
18	1250558	M4x8 PAN HEAD (PHILIPS HEAD)	14	280	LPS	
19	1241494	M6 HEX NUT	2	40	LPS	
20	1099183	M6 WING NUT	1	20	LPS	
21	FN9266B-6-06	AC Power Entry Modules	1	20		

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

B5: MECHANICAL PARTS BOM

S. NO	DRAWING NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	DBPL-ACPCI-PD-01	BOTTOM PLATE FOR ASL cPCI	1	20	DATASOL	
2	DBPL-ACPCI-PD-02	DOOR FOR ASL cPCI	1	20	DATASOL	
3	DBPL-ACPCI-PD-03	FRONT PLATE FOR ASL cPCI	1	20	DATASOL	
4	DBPL-ACPCI-PD-04	LHS PLATE FOR ASL cPCI	1	20	DATASOL	
5	DBPL-ACPCI-PD-05	RHS PLATE FOR ASL cPCI	1	20	DATASOL	
6	DBPL-ACPCI-PD-06	LHS FLANGE FOR ASL cPCI	1	20	DATASOL	
7	DBPL-ACPCI-PD-07	RHS FLANGE FOR ASL cPCI	1	20	DATASOL	
8	DBPL-ACPCI-PD-08	TOP PLATE FOR ASL cPCI	1	20	DATASOL	
9	DBPL-ACPCI-PD-09	REAR PLATE FOR ASL cPCI	1	20	DATASOL	
10	DBPL-ACPCI-PD-10	REAR DOOR FOR ASL cPCI	1	20	DATASOL	
11	DBPL-ACPCI-PD-11	HANDLE P115xM4	2	40	DATASOL	
12	DBPL-ACPCI-PD-12	HINGES1 FOR ASL cPCI	1	20	DATASOL	
13	DBPL-ACPCI-PD-13	HINGES2 FOR ASL cPCI	1	20	DATASOL	
14	DBPL-ACPCI-PD-14	ASL DVI-DB CABLES FIXING PLATE	1	20	DATASOL	

B6: SPARE BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	80207-0	3U compact PCI carrier card for XMC PCI Express modules, 64-bit	-	05	MOLEX	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0

SECTION C: ACCESSORIES

C1: ACCESSORIES BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	GP65NB60	External USB DVD Drive		5		

SECTION D: CABLES

D1: CABLES BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	NT 259	USB Panel Mount connector (Female to Female) for KVM	1	20	NT Tech	
2	DBPL-DVI-MF-01	DVI MALE TO FEMALE	2	40	NT Tech	
3	DVI2DP2 or STD	DVI TO DP CONVERTOR	1	20	STARTECH / NT Tech	
4	NA	DP Male to DP Female Panel Mount Cable	1	20	NT Tech	
5	EPC-67522.0	3-Pin power cord for cPCI chassis	1	20	L-COM	
6	DBPL-PWR-KVM	1.8 Meters circular Power cable for KVM	1	20	DATASOL	
7	NA	1.8 Meters DVI Male to Male cable	1	20	Standard	
8	NA	1.8 Meters USB male to Male Cable	1	20	Standard	
9	NA	Cat 6 Gigabyte Ethernet cables terminated with RJ45 connectors – 10 m length	1	20	NT Tech / Eurotech	
10	NA	Cat 6 Gigabyte Ethernet cables terminated with RJ45 connectors – 5 m length	1	20	NT Tech / Eurotech	
11	ST128W	VGA Splitter with 8 port for extending VGA output up to 50m	-	05	Startech	
12	DP2VGAMM10B	Display Port to VGA adaptor cable with Display port patch cable of length 3m	-	10	Startech	
13	NA	RGB wires for internal & External wirings	As Req	As Req	Datasol	

SECTION E: PACKING BOX

E1: PACKING BOX BOM

S. NO	PART NO	DESCRIPTION	QTY / UNIT	QTY /20 UNITS	MANUFACTURER	REMARKS
1	DBPL-PB-CPCI	Packing box for cPCI chassis	1	20	DATASOL	
2	DBPL-PB-KVM	Packing box for rKVM	1	20	DATASOL	

FMT No.: DBPL-F-D&D-03

Rev.: 1.0