

***Description ASS'Y ROM-DB3900 A101 RTX 2.0 CARRIER BOARD**

Qty	Ref Des	Part Description
1	PCB1	PCB ROM-DB3900 A101-3 L:6 C:G 1.6 mm FR4-TG170
4	STDOFF9,STDOFF10,STDOFF11,STDOFF12	POST F=M2.5*5L M=3.15*3.5L D=5.5 H=3.1 Cu Sn
1	BR2032HOLDER	BATTERY HOLDER 24.9*23.4*8.9 CR2032 BH800.4GG
1	BAT	BATTERY 3V 195mAH BR2032
2	FS1001,FS1201	FUSE 1.6*0.813*0.305mm 1A, 32V, SMD 0467001.
1	FS501	FUSE SMD 10*5 5A 125V 0154005.DRT LITTELFUSE
2	I2C0,I2C1	WAFER BOX 2.0mm 4P 180D(M) W/LOCK A2001WV2-4P
1	SATA_PWR	WAFER 4P 2.5mm 180D(M) DIP 24W1161-04S10-01T
1	FAN	Wafer 2.54mm 3P 180D(M) DIP 22-27-2031
1	LVDS_BKLT	WAFER BOX 2.0mm 5P 180D(M) DIP WO/Pb JIH VEI
1	SD	SD CARD 9P 90D(F) SMD WK2192C-S3D-7H
1	HDMI	HDMI 19P/0.5mm/(F)/LCP/RA/GFL/S/BK/WO Fange
2	CAM0,CAM1	B/B CONN. 2x15P 0.5mm 180D(M) SMD DF12 (3.0)-30D
1	COM01	D-SUB Conn. 18P 90D(M) DIP DM10151-H531-4F
1	SATA	Serial ATA 7P 1.27mm 180D(M) DIP WATM-07DBN4A3B8
4	RTXA,RTXB,RTXC,RTXD	B/B Conn. 50x2P 0.5mm 180D(M) SMD AXK500137YG
1	USB_OTG	MINI USB 5P 180D(F) SMD UH51543-CS7-7F
2	PCIE_SLOT0,PCIE_SLOT1	PCIEXPRESS 36P 180D(F) DIP 2EG01817-D2D-DF
1	VGA	D-SUB Conn. 15P 90D(F) DIP 070242FR015S200ZU
1	LVDS	DEL)B/B Conn. 40P 1.25mm 90D SMD DF13-40DP-1.25
44	COM_SEL0(13-15),COM_SEL0(14-16),COM_SEL0(5-6),COM_SEL0(7-	JP 1x2P/2.0mm/PBT/VA/GFL/BK/Brass/H3.5mm
2	LVDS_BKLT_SLT(1-2),LVDS_VDD_SLT1(1-2)	MINI JUMPER 2P 2.54mm 180D(F) 1132-020-02
4	CAN0,CAN1,COM2,COM3	BOX HEADER 5x2P 2.54mm 180D(M) DIP 23N6960-10S10
1	SYSTEM_BUS	PCB SKT 30x4P 2.00mm 180D(F) DIP 264-40303-02
1	GPIO	PIN HEADER 10x2P 2.0mm 180D(M) DIP 21N22050
4	COM_SEL0,COM_SEL1,COM_SEL2,COM_SEL3	PIN HEADER 9x2P 2.0mm 180D(M) DIP 21N22050-18S10
2	SPI0,SPI1	PIN HEADER 4x2P 2.54mm 180D(M) DIP 210-92-04GB02
1	RTX_PWR_SLT	PIN HEADER 3x2P 2.0mm 180D(M) DIP 21N22050
12	JP1101,JP1601,JP2201,JP2202,JP2203,JP2204,JP2205,JP2206,JP2207,JP2208,JP	PIN HEADER 3x1P 2.0mm 180D(M) DIP 2000-13 WS
2	LVDS_BKLT_SLT,LVDS_VDD_SLT1	PIN HEADER 3x1P 2.54mm 180D(M) DIP 1130-000-03S
11	JP1701,JP1702,JP1801,JP1802,JP1803,JP1804,JP1901,JP1902,JP1903,JP1904,JP	PIN HEADER 2*1P 180D(M)SQUARE 2.0mm DIP W/O Pb
1	LVDS_VDD_SLT2	PINH 1x2P/2.54mm/(M)/NY6T/VA/GFL/D/BK
1	AUDIO	PIN HEADER 2x10P 2.54mm 180D(M) DIP 21N22564
2	PROBE1,PROBE2	PIN HEADER 1x2p 5.08mm 180D(F) DIP 1134-720-01U
1	PHONEJACK	Audio Jack 9P 2.5mm 90D(F) DIP ABA-JAK-038-K26
1	RJ45+USB	PhoneJack RJ45+USB3.0*2 32P 90D(F) DIP 05-A00919
1	DCIN	DC POWER JACK 2.5mm 90D(M) DIP 2DC-G213B200
1	SW1	DIP SW ESP1020 DIP 5P 10x6.5x2.5mm
1	SW2	DIP SW EDG104S DIP 4P Radial SPST
20	KEYPAD1,KEYPAD2,KEYPAD3,KEYPAD4,KEYPAD5,KEYPAD6,KEYPAD7,KEYPA	TACT SW STS-091 SMD 4P H=3.8mm
3	U802,U902,U1501	IC SN74LVC1G07DBVR BUFFER/DRIVER SMD SOT23 5P
1	U502	IC LM393DR DUAL DIFF COMP SMD SOIC 8P
1	U1602	IC MTFC4GACAAAM-1M WT EMMC 4.51 4GB VFBGA 153P
1	U701	IC TPS54541DPRT 4.5-42V 5A buck conver WSON 10P
4	U1801,U1806,U1901,U1904	IC MAX3232IPW RS-232 2T2R 250KBPS TSSOP 16P

1	U1001	IC CH7055A-BF DAC SMD QFN 40P
2	U1301,U1401	IC TPS2065CDBVR 1A USB Power Distribution sw
2	U1002,U1003	IC SN74AHCT1G125DCKRG4 SC70 SMD 5P
1	U1601	IC CAT24C32WI-GT3 I2C EEPROM 32KB SMD SOIC 8P
2	U2202,U2203	IC SN74LVC1G17DCKR SMD SC-70 5P
8	U1802,U1803,U1804,U1805,U1902,U1903,U1905,U1906	IC SN65HVD11DR Transceiver SMD SOIC 8P
1	U2301	IC TS321IDBVR Amplifier SMD SOT23 5P
1	U601	IC LM5118MHX 75V buck-boost ctrl TSSOP 20P
2	U801,U901	IC SC417MLTRT 10A FET Regulator SMD MLPQ 32P
4	U1101,U1102,U1703,U1705	IC SN74AHCT1G125DBVR bus buffer gate SOT-23 5P
1	U501	IC LM431BIM3/NOPB Zener Shunt Reg 2.5-36V 1% SOT
2	U1701,U1702	IC SN65HVD251DR CAN TRANCEIVER SMD SOIC 8P
2	U1704,U1706	IC SN74LVC1G125DCKR SMD SC-70 5P
29	D1202,D1303,D1603,D1604,D1605,D1606,D1608,D1609,D2001,D2002,D2003,D2208	VAR MLVS0402L04 20A 4V SMD 0402 2P
6	Q604,Q1002,Q1201,Q1202,Q1302,Q2201	MOSFET N-CH 2N7002DW-7-F 0.115A 60V SMT SOT-363
15	Q502,Q1004,Q1101,Q1203,Q1502,Q1503,Q1506,Q1507,Q1601,Q1603,Q1801,Q1802	MOSFET NX7002AK N-CH 0.3A 60V SMD SOT-23 3P
4	Q1003,Q1102,Q1301,Q1602	MOSFET P-CH IRLML6402PBF -20V -3.7A SMD SOT23
1	Q2301	TRANS PNP 2SA1213-Y SMD SC-62 3P
3	Q1001,Q1401,Q2101	REG APL5325BI-TRG 0.3A 3-6V LDO SOT-23 5P
4	Q1505,Q1509,Q1604,Q1605	MOSFET P-CH Si4435DDY-T1-GE3 -30V SMD SO-8 8P
1	Q603	REG MIC5233YM5 LDO 2.3 to 36V 0.1A SMD SOT23-5
2	Q501,Q503	MOSFET P-CH FDMC4435BZ -8.5A -30V S Power33 8P
2	Q601,Q602	MOSFET N-CH FDMC8884 15A 30V SMD Power33 8P
2	Q1504,Q1508	MOSFET P-CH SI4465ADY-T1-E3 -8V -20A SMD SOIC8
2	Q2102,Q2103	MOSFET N-CH BSS138 0.22A 50V SMD SOT-23 3P
1	D2202	LED Red SMD 0603 KPT-1608EC
5	D2201,D2203,D2204,D2205,D2206	LED Green SMD 0603 KPT-1608CGCK
1	D2207	LED Orange SMD 0603 KPT-1608NC
3	D602,D603,D701	Schottky FM540P-T-FM 5A 40V SMD SMC
1	D1302	ZENER 1SMB5919BT3G 5.6V 3W SMD SMB
14	D1304,D1305,D1401,D1402,D1403,D1404,D1405,D1406,D1610,D1611,D1612,D1613	TVS USB0005WP 4A 300V SMD 0402
3	D1002,D1003,D1205	DIODE AZC099-04S.R7G 6V SMD SOT23-6L
1	D5	DIODE Schottky BAS40-05 SMT SOT-23 3PIN
2	D1203,D1204	TVS RClamp0524P.TCT 5A 5V 150W SMD SLP2510P8
5	D1001,D1201,D1607,D2226,D2305	Schottky MBRX120 1A 20V SMD SOD-123
1	D901	Schottky MMDL770T1G SMD SOD-323
1	D501	ZENER 1SMB5931BT3G 18V SMD SMB
3	B2006,B2007,B2008	Bead 60ohm 25% 3A SMD 0805 BLM21PG600SN1D
2	B2101,B2102	Bead 120 25% 500mA SMD 0603 BLM18AG121SN1D
12	B1802,B1803,B1804,B1805,B1806,B1807,B1809,B1810,B1811,B1812,B1813,B1814	Bead 1Kohm 25% 0.1A SMD 0603 BLM18BD102SN1D
8	B1201,B1202,B1203,B1204,B1301,B1401,B1402,B1403	EMI Filter 90ohm 25% 330mA SMD 4P DLW21SN900SQ2L
3	B601,B701,L1401	Bead 100 25% 4A SMD 0805 MPZ2012S101AT
3	B501,B801,B901	Bead 80ohm 6A 25% SMD 0805 AA-800Y03307
28	B1003,B1205,B1302,B1601,B1602,B1701,B1702,B1703,B1704,B1705,B1706,B1801,	Bead 120ohm 25% 2A SMD 0603 BLM18PG121SN1 WO/Pb
2	B1001,B1002	Bead 47ohm 25% 0.5A SMD 0603 BLM18BB470SN1D
3	L701,L801,L901	Choke 4.7uH 20% 10A SMD 2P PCMB104E-4R7MS
6	L1001,L1002,L1003,L1004,L1005,L1006	Inductor 82nH 5% 0.3A SMD 0603 2P CLH1608T-82NJ-
1	L601	Inductor 15uH 20% 6.5A SMD 2P 7447709150

3	C1415,C2007,C2109	MLCC X5R 2.2uF 10% 6.3V SMD 0603 CC0603KRX5R5BB2
5	C1104,C1106,C1107,C1108,C1109	MLCC X7R 10uF 10% 16V SMD 1206 C3216X7R1C106KT
2	C804,C904	MLCC X7R 680pF 10% 50V SMD 0603 CC0603KRX7R9BB68
2	C2003,C2004	MLCC X7R 2.2uF 10% 16V SMD 0805 C2012X7R1C225KT
3	C1401,C1402,C1405	MLCC NPO 470pF 5% 50V SMD 0402
3	C1013,C1014,C1015	MLCC NPO 47pF 5% 50V SMD 0603 C1608C0G1H470J
2	C1019,C1020	MLCC NPO 22pF 5% 50V SMD 0603 C1608C0G1H220J
6	C1010,C1011,C1012,C1016,C1017,C1018	MLCC NPO 20pF 5% 50V SMD 0603 0603CG200J500BA
46	C1705,C1706,C1707,C1708,C1810,C1811,C1812,C1813,C1814,C1815,C1823,C1824	MLCC NPO 100pF 5% 50V SMD 0402 CC0402JRNPO9BN101
53	C2403,C2404,C2405,C2406,C2407,C2408,C2409,C2410,C2411,C2412,C2413,C2414	MLCC NPO 10pF 5% 50V SMD 0402 2238 869 15109
17	C707,C807,C915,C1301,C1302,C1407,C1408,C1614,C2301,C2302,C2303,C2304,C2	(DEL16)MLCC X5R 10uF 10% 16V SMD 1206 C3216X5
2	C702,C703	MLCC X7R 0.01uF 10% 16V SMD 0402 2238 787 15636
9	C503,C504,C508,C608,C609,C614,C712,C813,C908	MLCC X5R 10uF 10% 35V SMD 1206 C1206B106K035T
1	C613	SC 82uF 20% 35V DIP 2P 8x12x3.5mm 35SEPF82M
5	C706,C805,C913,C1624,C1626	EC 100UF 20% 16V DIP 6.3*10.5 APSA160EC3101MFA5S
1	C2310	MLCC X5R 10uF 10% 25V SMD 1206 GRM31CR61E106KA12
5	C338,C339,C1006,C1007,C1008	MLCC X7R 10uF 10% 10V SMD 0805 C2012X7R1A106KT
2	C1608,C1631	MLCC X5R 10uF 20% 6.3V SMD 0402 CL05A106MQ5NUNC
1	C605	MLCC X7R 4700pF 10% 50V SMD 0402 GRM155R71H472KA
1	C603	MLCC NPO 150pF 5% 50V SMD 0402 GRM1555C1H151JA01
1	C704	MLCC X7R 3300pF 10% 50V SMD 0402 CC0402KRX7R9B
1	C604	MLCC X7R 0.22uF 10% 16V SMD 0603 223878615654
1	C619	MLCC X5R 2.2uF 10% 16V SMD 0603 C1608X5R1C225KT
4	C1103,C1514,C1516,C1618	MLCC X7R 0.47uF 10% 16V SMD 0603 C0603X474K016T
5	C716,C810,C817,C905,C917	MLCC X5R 1uF 10% 6.3V SMD 0402 CC0402KRX5R5BB105
124	C340,C341,C342,C343,C510,C511,C620,C621,C627,C701,C708,C711,C802,C808,C	MLCC X7R 0.1uF 10% 16V SMD 0402 2238 787 15649
6	C506,C610,C617,C713,C814,C909	MLCC X7R 1uF 10% 50V SMD 1206 C3216X7R1H105KT
12	C622,C623,C624,C626,C1004,C1413,C2005,C2101,C2102,C2104,C2105,C2107	MLCC X7R 1uF 10% 16V SMD 0603 C1608X7R1C105K
1	C2309	MLCC X5R 22uF 20% 6.3V SMD 0805 GRM21BR60J226ME3
16	C502,C505,C507,C509,C601,C602,C607,C611,C615,C618,C714,C815,C910,C1403,	MLCC X7R 0.1uF 10% 50V SMD 0603 223858615649
2	C1304,C1411	SC 100uF 20% 6.3V SMD 3.5x2.8x1.9mm 6TPB100MA
6	C501,C606,C612,C715,C816,C911	MLCC X7R 2200pF 10% 50V SMD 0402 223858715627
3	R1401,R1402,R1406	TKFR 330 5% 1/16W SMD 0402
3	R1214,R1215,R1217	TKFR 2.2K 5% 1/16W SMD 0402
2	R1403,R1404	TKFR 150 5% 1/16W SMD 0402
57	R509,R510,R1001,R1002,R1006,R1007,R1101,R1102,R1113,R1114,R1115,R1116,R	TKFR 0 Jumper 1/16W SMD 0402
3	R1013,R1014,R1015	TKFR 75 1% 1/16W SMD 0402
1	R2205	TKFR 750 1% 1/16W SMD 0402
2	R809,R908	TKFR 5.6K 1% 1/16W SMD 0402
2	R502,R506	TKFR 47K 1% 1/10W SMD 0603
1	R608	TKFR 442 1% 1/10W SMD 0603
1	R501	TKFR 240K 1% 1/10W SMD 0603
1	R605	TKFR 22.1K 1% 1/16W SMD 0402
26	R1313,R1633,R1634,R1635,R1636,R1637,R1638,R2101,R2102,R2103,R2104,R2105	TKFR 22 1% 1/16W SMD 0402
1	R607	TKFR 1.27K 1% 1/10W SMD 0603
3	R505,R507,R603	TKFR 11K 1% 1/10W SMD 0603
1	R1418	TKFR 10.5K 1% 1/10W SMD 0603
18	R613,R710,R711,R813,R915,R1106,R1109,R1111,R1307,R1540,R1541,R1545,R154	TKFR 100K 1% 1/16W SMD 0402

12	R503,R504,R511,R604,R611,R621,R622,R624,R1802,R1810,R1818,R1909	TKFR 100K 1% 1/10W SMD 0603
12	R602,R2216,R2217,R2218,R2219,R2220,R2221,R2222,R2223,R2305,R2306,R2311	TKFR 10K 1% 1/10W SMD 0603
5	R616,R1024,R1105,R1309,R2401	TKFR 1K 1% 1/16W SMD 0402
2	R508,R620	TKFR 1K 1% 1/10W SMD 0603
2	R1550,R1551	TKFR 100 1% 1/16W SMD 0402
8	R2208,R2209,R2210,R2211,R2212,R2213,R2214,R2215	TKFR 100 1% 1/10W SMD 0603
3	R1020,R1021,R1619	TKFR 33 1% 1/16W SMD 0402
5	R2001,R2002,R2003,R2004,R2005	TKFR 22 1% 1/10W SMD 0603
1	R1419	TKFR 12K 1% 1/10W SMD 0603
26	R703,R705,R807,R812,R901,R903,R907,R912,R1004,R1010,R1022,R1023,R1209,R	TKFR 10K 1% 1/16W SMD 0402
2	R810,R909	TKFR 1 1% 1/10W SMD 0603
8	R1804,R1807,R1812,R1815,R1823,R1903,R1906,R1910	TKFR 120 5% 1/8W SMD 0805 RC0805JR-07120RL
2	R1702,R1704	TKFR 120 5% 1/8W SMD 0805
29	B1004,B1005,B1206,B1207,B1208,B1209,B1404,B1405,B1406,B2001,B2002,B2003,	TKFR 0 Jumper 1/8W SMD 0805 RC0805JR-070RL
4	R1107,R1542,R1547,R1625	TKFR 240K 1% 1/16W SMD 0402
1	R702	TKFR 140K 1% 1/16W SMD 0402
1	R706	TKFR 80.6K 1% 1/16W SMD 0402
16	R614,R1609,R1610,R1611,R1612,R1613,R1614,R1615,R1616,R1617,R1618,R1628,	TKFR 49.9K 1% 1/16W SMD 0402
5	R618,R619,R709,R811,R911	TKFR 0 1% 1/10W SMD 0603
2	R804,R904	TKFR 86.6K 1% 1/16W SMD 0402
1	R610	CSR 20m 1% 1W SMD 3720
8	R1108,R1543,R1544,R1548,R1549,R1626,R1627,R1642	TKFR 47K 1% 1/16W SMD 0402
2	R1012,R2123	TKFR 12K 1% 1/16W SMD 0402
1	R803	TKFR 10.2K 1% 1/16W SMD 0402
5	R805,R905,R1011,R2122,R2307	TKFR 15K 1% 1/16W SMD 0402
3	R2203,R2204,R2207	TKFR 330 1% 1/16W SMD 0402
3	R806,R906,R2309	TKFR 130K 1% 1/16W SMD 0402
1	R2304	TKFR 51K 1% 1/16W SMD 0402
2	R1639,R1643	TKFR 22K 1% 1/16W SMD 0402
1	R1003	TKFR 1.2K 1% 1/16W SMD 0402
1	R606	TKFR 3.9K 1% 1/10W SMD 0603
1	R1211	TKFR 150K 1% 1/16W SMD 0402
1	R902	TKFR 56K 1% 1/16W SMD 0402
1	R617	CSR 10m 1% 1/4W SMD 1206
1	R615	TKFR 30K 1% 1/16W SMD 0402
7	R1018,R1019,R2126,R2127,R2201,R2202,R2206	TKFR 2.2K 1% 1/16W SMD 0402
3	R1103,R1216,R2308	TKFR 4.7K 1% 1/16W SMD 0402
1	R609	TKFR 210 1% 1/10W SMD 0603
1	R802	TKFR 90.9K 1% 1/16W SMD 0402
1	R601	TKFR 63.4K 1% 1/16W SMD 0402
1	R2310	TKFR 43.2K 1% 1/16W SMD 0402
1	R704	TKFR 9.1K 1% 1/16W SMD 0402