

id	description	partid	manufacturer	ordercode	quantity	price(1)	total(1)
001	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	1	€ 17,79	€
002	TERMINAL BLOCK, PCB, 2WAY	20.501M/2	IMO	9632972	1	€ 0,27	€
003	HEADER, 1ROW, 2WAY	M20-9990246	HARWIN	1022247	1	€ 0,126	€
004	DIODE, SCHOTTKY, 3A, 40V	STPS340U	STMICROELECTRONICS	9803548	1	€ 0,71	€
005	CAPACITOR, CASE G, 470UF, 25V	EEEFK1E471P	PANASONIC	9695800	1	€ 1,06	€
006	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	MURATA	9527818	8	€ 0,24	€
007	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	3	€ 0,121	€
008	V REG, LDO 1.2V, SMD	LD1117S12TR	STMICROELECTRONICS	1467778	1	€ 1,02	€
009	V REG ADJ +1.25/15V, SMD, 1117	LD1117STR-E	STMICROELECTRONICS	1202824	2	€ 1,14	€
010	RESISTOR, 0805 120R	MC 0.1W 0805 1% 120R	MULTICOMP	9332480	1	€ 0,034	€
011	RESISTOR, 0805 220R	MC 0.1W 0805 1% 220R	MULTICOMP	9332804	1	€ 0,034	€
012	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	MULTICOMP	9333037	1	€ 0,034	€
013	RESISTOR, 0805 240R	MC 0.1W 0805 1% 240R	MULTICOMP	9332871	1	€ 0,034	€
014	RESISTOR, 0805 390R	MC 0.1W 0805 1% 390R	MULTICOMP	9333150	1	€ 0,034	€
015	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	3	€ 0,121	€
016	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	MULTICOMP	9332391	2	€ 0,034	€
017	RESISTOR, 0805 100R	MC 0.1W 0805 1% 100R	MULTICOMP	9332375	1	€ 0,034	€
018	RESISTOR, 0805 4K7	MC 0.1W 0805 1% 4K7	MULTICOMP	9333266	1	€ 0,034	€
019	SWITCH, SMD, SPNO	B3S-1000	OMRON ELECTRONIC	177807	1	€ 0,89	€
020	SUPERVISOR, OPEN DRAIN, SOT-23-3	MCP120T-300I/TT	MICROCHIP	1292233	1	€ 0,434	€
021	SUPERVISOR, OPEN DRAIN, SOT-23-3	MCP120T-315I/TT	MICROCHIP	9758437	1	€ 0,481	€
022	AND GATE, SINGLE 2-INPUT, SMD	SN74LVC1G08DBVRG4	TEXAS INSTRUMENTS	1287593	1	€ 0,195	€
023	BUFFER/DRIVER/RECEIVER, SMD	SN74LVC2G07DBVR	TEXAS INSTRUMENTS	1470774	1	€ 0,44	€
024	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	3	€ 0,121	€
025	HEADER, BOX, STRAIGHT, 20WAY	2-1634688-0	TYCO ELECTRONICS/AMP	8395942	1	€ 1,43	€
026	RESISTOR, 0805 100R	MC 0.1W 0805 1% 100R	MULTICOMP	9332375	7	€ 0,034	€
027	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
028	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	10	€ 0,121	€
029	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	10	€ 0,121	€
030	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	3	€ 0,121	€
031	RESISTOR, 0805 0R0	MC 0.1W 0805 0R	MULTICOMP	9333681	2	€ 0,034	€
032	SDRAM 256MB, SMD, 48LC16, TSOP54	MT48LC16M16A2P-7E:D	MICRON	1216281	2	€ 12,59	€
033	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
034	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	2	€ 0,121	€
035	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	MULTICOMP	9332391	2	€ 0,034	€
036	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
037	FLASH NAND 2GB, SMD, TSOP48	HY27UF082G2M-TP	HYNIX SEMICONDUCTOR	1182454	1	€ 28,92	€
038	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	1	€ 0,121	€
039	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	MURATA	9527818	1	€ 0,24	€
040	CONNECTOR, MICRO SD, HINGED	500901-0801	MOLEX	1344008	1	€ 2,97	€
041	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
042	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	MURATA	9527818	1	€ 0,24	€
043	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	7	€ 0,121	€
044	CAPACITOR, 0805, 33PF, 100V	08051A330JAT2A	AVX	317603	2	€ 0,062	€
045	LED, SMD, 0805, GREEN	MCL-S270GC	MULTICOMP	1581242	1	€ 0,147	€
046	LED, SMD, 0805, YELLOW	MCL-S270YC	MULTICOMP	1581241	1	€ 0,155	€
047	JACK, 10/100 BASE T	6605759-1	TYCO ELECTRONICS	1284348	1	€ 4,08	€
048	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	MULTICOMP	9333037	2	€ 0,034	€
049	RESISTOR, 2K32, 0805 0.1% 25PPM 0.1W	MCTC0525B2321T5E	MULTICOMP	1575833	1	€ 0,66	€
050	RESISTOR, 0805, 49.9R, 1%	CRCW0805A9R9FKEA	VISHAY DALE	1469935	4	€ 0,029	€
051	ETHERNET CONTROLLER 8 KB RAM, 28J60	ENC28J60/S0	MICROCHIP	1084618	1	€ 3,85	€
052	CRYSTAL, SMT, 25MHZ, 18PF	HCM49 25.000MABJ-UT	CITIZEN AMERICA	1457105	1	€ 0,47	€
053	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	11	€ 0,121	€
054	SOCKET, D, PCB, R/A, 9WAY	8LCM009S-304B-XX	MULTICOMP	1099294	1	€ 0,49	€
055	PLUG, D, PCB, R/A, T&D, 9WAY	SDEX9PNTD	ITW MCMURDO	1071806	1	€ 2,09	€
056	LINE DRIVER/RECEIVER RS-232, SMD	SN75C3232PW	TEXAS INSTRUMENTS	9593128	2	€ 5,40	€
058	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	7	€ 0,121	€
059	CAPACITOR, CERAMIC MULTILAYER	C0603C151J5GAC-TU	KEMET	1650839	1	€ 0,078	€
060	CAP CER 3900PF 50V 5% C0G 0805	GRM2165C1H392JA01D	MURATA	490-3045-6-ND	1	€ 0,167	€
061	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	KEMET	1414678	2	€ 0,036	€
062	CAPACITOR, 0805, 10PF, 50V, NP0	C0805C100J5GAC	KEMET	1414654	2	€ 0,036	€
063	RESISTOR, 0603 120K	MC 0.063W 0603 1% 120K	MULTICOMP	9330526	1	€ 0,034	€
064	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	MULTICOMP	9332391	1	€ 0,034	€
065	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
066	CRYSTAL, SMD, 32.768000KHZ	LF XTAL003000	RAKON	9713220	1	€ 1,75	€
067	CRYSTAL, SM, CX-96F, 13MHZ	CX5032SB13000F0FLJZZ	AVX	1368778	1	€ 4,08	€
068	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	7	€ 0,121	€
069	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	KEMET	1414678	2	€ 0,036	€
070	SOCKET, USB, MINI-AB, SMT	565790576	MOLEX	9786490	1	€ 1,01	€
071	RESISTOR, 0805 100K	MC 0.1W 0805 1% 100K	MULTICOMP	9332405	2	€ 0,034	€
072	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	MULTICOMP	9332391	2	€ 0,034	€
073	RESISTOR, 0805 3K3	MC 0.1W 0805 1% 3K3	MULTICOMP	9333045	2	€ 0,034	€
074	RESISTOR, 0805 33R	MC 0.1W 0805 1% 33R	MULTICOMP	9333088	2	€ 0,034	€
075	ESD PROTECTION, USB 2, SMD, SSOT-6	IP4220CZ6	NXP	1506629	1	€ 0,38	€
076	IC USB OTG TRANSCEIVER	ISP1301BS-T	NXP	568-1881-1-ND	1	€ 1,88	€
077	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
078	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	9	€ 0,121	€
079	HEADER, SQUARE PIN, 0.1", 4WAY	22-27-2041	MOLEX	9731164	2	€ 0,87	€
080	HEADER, BOX, STRAIGHT, 10WAY	1-1634688-0	TYCO ELECTRONICS/AMP	8395918	4	€ 0,82	€
081	HEADER, SQUARE PIN, 0.1", 3WAY	22-27-2031	MOLEX	9731156	2	€ 0,68	€
082	HEADER, BOX, STRAIGHT, 20WAY	2-1634688-0	TYCO ELECTRONICS/AMP	8395942	2	€ 1,43	€
083	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
084	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	21	€ 0,121	€
085	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€
086	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	KEMET	1414678	2	€ 0,036	€
087	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	MURATA	8820120	3	€ 0,121	€
088	LED, SMD, 0805, GREEN	MCL-S270GC	MULTICOMP	1581242	1	€ 0,147	€
089	LED, SMD, 0805, YELLOW	MCL-S270YC	MULTICOMP	1581241	1	€ 0,155	€
090	HEADER, BOX, STRAIGHT, 10WAY	1-1634688-0	TYCO ELECTRONICS/AMP	8395918	2	€ 0,82	€
091	HEADER, 1ROW, 2WAY	M20-9990246	HARWIN	1022247	1	€ 0,126	€
092	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	MULTICOMP	9333037	2	€ 0,034	€
093	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	MULTICOMP	9332391	1	€ 0,034	€
094	RESISTOR, 0805 120R	MC 0.1W 0805 1% 120R	MULTICOMP	9332480	1	€ 0,034	€
095	CAN CONTROLLER, SPI, SMD, SOIC18	MCP2515-I/S0	MICROCHIP	1292239	1	€ 2,75	€
096	CAN TRANSCEIVER, 65HVD232, SOIC8	SN65HVD232D	TEXAS INSTRUMENTS	1103107	1	€ 2,34	€
097	CRYSTAL, SMD, 20.00MHZ	LF A147E	RAKON	9713352	1	€ 0,80	€
098	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	NXP	1524648	0	€ 17,79	€

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table(2)

id	description	partid	footprint	refdes	sheet
001	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1		00
002	TERMINAL BLOCK, PCB, 2WAY	20.501M/2	20.501M/2	J101	01
003	HEADER, 1ROW, 2WAY	M20-9990246	M20-9990246	J102	01
004	DIODE, SCHOTTKY, 3A, 40V	STPS340U	SMB	D101	01
005	CAPACITOR, CASE G, 470UF, 25V	EEEFK1E471P	CASE G	C101	01
006	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	1210	C102, C104, C106, C107, C109, C110, C111, C112	01
007	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C103, C105, C108	01
008	V REG, LDO 1.2V, SMD	LD1117S12TR	SOT-223	U101	01
009	V REG ADJ +1.25/15V, SMD, 1117	LD1117STR-E	SOT-223	U102, U103	01
010	RESISTOR, 0805 120R	MC 0.1W 0805 1% 120R	0805	R101	01
011	RESISTOR, 0805 220R	MC 0.1W 0805 1% 220R	0805	R102	01
012	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	0805	R103	01
013	RESISTOR, 0805 240R	MC 0.1W 0805 1% 240R	0805	R104	01
014	RESISTOR, 0805 390R	MC 0.1W 0805 1% 390R	0805	R105	01
015	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C201, C202, C203	02
016	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	0805	R201, R203	02
017	RESISTOR, 0805 100R	MC 0.1W 0805 1% 100R	0805	R202	02
018	RESISTOR, 0805 4K7	MC 0.1W 0805 1% 4K7	0805	R204	02
019	SWITCH, SMD, SPNO	B3S-1000	B3S-1000	S201	02
020	SUPERVISOR, OPEN DRAIN, SOT-23-3	MCP120T-300I/TT	SOT-23-3	U201	02
021	SUPERVISOR, OPEN DRAIN, SOT-23-3	MCP120T-315I/TT	SOT-23-3	U202	02
022	AND GATE, SINGLE 2-INPUT, SMD	SN74LVC1G08DBVRG4	SOT-DBV?	U203	02
023	BUFFER/DRIVER/RECEIVER, SMD	SN74LVC2G07DBVR	SOT-DBV?	U204	02
024	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C301	03
025	HEADER, BOX, STRAIGHT, 20WAY	2-1634688-0	HBS-20	J301	03
026	RESISTOR, 0805 100R	MC 0.1W 0805 1% 100R	0805	R301, R302, R303, R304, R305, R306, R307	03
027	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U301	03
028	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C401, C402, C403, C404, C405, C406, C407, C408, C409, C410	04
028	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C411, C412, C413, C414, C415, C416, C417, C418, C419, C420	04
028	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C421, C422, C423	04
031	RESISTOR, 0805 0R0	MC 0.1W 0805 0R	0805	R401, R402	04
032	SDRAM 256MB, SMD, 48LC16, TSOP54	MT48LC16M16A2P-7E:D	TSOP54	U401, U403	04
033	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U402, U404, U405	04
034	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C501, C502	05
035	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	0805	R501, R502	05
036	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U501	05
037	FLASH NAND 2GB, SMD, TSOP48	HY27UF082G2M-TP	TSOP48	U502	05
038	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C601	06
039	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	1210	C602	06
040	CONNECTOR, MICRO SD, HINGED	500901-0801	500901-0801	J601	06
041	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U601	06
042	CAPACITOR, 1210, 10UF, 25V	GRM32NF51E106ZA01L	1210	C701	07
043	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C702, C704, C705, C707, C708, C709, C710	07
044	CAPACITOR, 0805, 33PF, 100V	08051A330JAT2A	0805	C703, C706	07
045	LED, SMD, 0805, GREEN	MCL-S270GC	0805	D701	07
046	LED, SMD, 0805, YELLOW	MCL-S270YC	0805	D702	07
047	JACK, 10/100 BASE T	6605759-1	6605759-1	J701	07
048	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	0805	R701, R703	07
049	RESISTOR, 2K32, 0805 0.1% 25PPM 0.1W	MCT0525B2321T5E	0805	R702	07
050	RESISTOR, 0805, 49.9R, 1%	CRCW080549R9FKEA	0805	R704, R705, R706, R707	07
051	ETHERNET CONTROLLER 8 KB RAM, 28J60	ENC28J60/S0	S0IC28	U701	07
052	CRYSTAL, SMT, 25MHZ, 18PF	HCM49 25.000MABJ-UT	HCM49	X701	07
053	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C801, C802, C802, C803, C804, C805, C806, C807, C808, C809	08
053	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C810	08
054	SOCKET, D, PCB, R/A, 9WAY	8LCM0095-304B-XX	DB9 SOCKET	J801	08
055	PLUG, D, PCB, R/A, T&D, 9WAY	SDEX9PNTD	DB9 PLUG	J802	08
056	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U801	08
057	LINE DRIVER/RECEIVER RS-232, SMD	SN75C3232PW	TSSOP16	U802, U803	08
058	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C901, C902, C903, C904, C905, C906, C907	09
059	CAPACITOR, CERAMIC MULTILAYER	C0603C151J5GAC-TU	0603	C908	09
060	CAP CER 3900PF 50V 5% C0G 0805	GRM2165C1H392JA01D	0805	C909	09
061	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	0805	C910, C911	09
062	CAPACITOR, 0805, 10PF, 50V, NP0	C0805C100J5GAC	0805	C912, C913	09
063	RESISTOR, 0603 120K	MC 0.063W 0603 1% 120K	0603	R901	09
064	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	0805	R902	09
065	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U901, U902, U903, U904, U905, U906, U907	09
066	CRYSTAL, SMD, 32.768000KHZ	LF XTAL003000	85SMX	X901	09
067	CRYSTAL, SM, CX-96F, 13MHZ	CX5032SB13000F0FLJZZ	CX-96F	X902	09
068	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1001, C1004, C1005, C1006, C1007, C1008, C1009	10
069	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	0805	C1002, C1003	10
070	SOCKET, USB, MINI-AB, SMT	565790576	565790576	J1001	10
071	RESISTOR, 0805 100K	MC 0.1W 0805 1% 100K	0805	R1001, R1006	10
072	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	0805	R1002, R1003	10
073	RESISTOR, 0805 3K3	MC 0.1W 0805 1% 3K3	0805	R1004, R1005	10
074	RESISTOR, 0805 33R	MC 0.1W 0805 1% 33R	0805	R1007, R1008	10
075	ESD PROTECTION, USB 2, SMD, SSOT-6	IP4220CZ6	SOT457	U1001	10
076	IC USB OTG TRANSCEIVER	ISP1301BS-T	HVQFN24	U1002	10
077	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U1003	10
078	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1101, C1102, C1103, C1104, C1105, C1106, C1107, C1108, C1109	11
079	HEADER, SQUARE PIN, 0.1", 4WAY	22-27-2041	HSP-4	J1101, J1103	11
080	HEADER, BOX, STRAIGHT, 10WAY	1-1634688-0	HBS-10	J1102, J1106, J1108, J1110	11
081	HEADER, SQUARE PIN, 0.1", 3WAY	22-27-2031	HBS-3	J1104, J1107	11
082	HEADER, BOX, STRAIGHT, 20WAY	2-1634688-0	HBS-20	J1105, J1109	11
083	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U1101, U1102, U1103, U1104, U1105, U1106, U1107	11
084	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1201, C1202, C1203, C1204, C1205, C1206, C1207, C1208, C1209	12
084	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1210, C1211, C1212, C1213, C1214, C1215, C1216, C1217, C1218	12
084	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1219, C1220, C1221	12
085	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U1201, U1202, U1203, U1204, U1205, U1206	12
086	CAPACITOR, 0805, 22PF, 50V, NP0	C0805C220J5GAC	0805	C1301, C1302	13
087	CAPACITOR, 0805, 100NF, 50V	GRM21BR71H104KA01L	0805	C1303, C1304, C1305	13
088	LED, SMD, 0805, GREEN	MCL-S270GC	0805	D1301	13
089	LED, SMD, 0805, YELLOW	MCL-S270YC	0805	D1302	13
090	HEADER, BOX, STRAIGHT, 10WAY	1-1634688-0	HBS-10	J1301, J1302	13
091	HEADER, 1ROW, 2WAY	M20-9990246	M20-9990246	J1303	13
092	RESISTOR, 0805 330R	MC 0.1W 0805 1% 330R	0805	R1301, R1302	13
093	RESISTOR, 0805 10K	MC 0.1W 0805 1% 10K	0805	R1303	13
094	RESISTOR, 0805 120R	MC 0.1W 0805 1% 120R	0805	R101	13
095	CAN CONTROLLER, SPI, SMD, SOIC18	MCP2515-I/S0	SOIC18	U1301	13
096	CAN TRANSCEIVER, 65HVD232, SOIC8	SN65HVD232D	SOIC8	U1302	13
097	CRYSTAL, SMD, 20.00MHZ	LF A147E	HC49	X1301	13
098	MCU 32BIT ARM9 LOW POWER, SMD	LPC3180FEL320	SOT824-1	U1301	14

```
cd ~/openarm/working/gschem
gattrib sch/04-sdram.sch
gattrib sch/05-flash.sch
gattrib sch/06-micro-sd.sch
gattrib sch/07-ethernet.sch
gattrib sch/08-rs232.sch
gattrib sch/09-oscillators.sch
gattrib sch/10-usb.sch
gattrib sch/11-connectors.sch
gattrib sch/12-lpc3180-power.sch
gattrib sch/13-can.sch
gattrib sch/14-spi.sch
```