

Carte SC-PRO

EVOLUTIONS

Indice	Nature de la Modification	Dess.	Date	Vérif.	Date
P01	Création	LLU	11/07/2011		

Carte SC-PRO

DOCUMENTATIONS

Référence	Révision	Désignation	Remarque
SC110855	A	Schéma de principe	
PC110856	A	Plan de percage	
PE110857	A	Plan d'équipement	

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NOMENCLATURE								
Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
1	3	CR1			05600043257AA	Diode Schottky MBR0540T1G 40 V x x SOD-123	MBR0540T1G	ON SEMICONDUCTOR
		CR2			05600043257AA	Diode Schottky MBR0540T1G 40 V x x SOD-123	MBR0540T1G	ON SEMICONDUCTOR
		CR6			05600043257AA	Diode Schottky MBR0540T1G 40 V x x SOD-123	MBR0540T1G	ON SEMICONDUCTOR
2	1	CR3			05600022277AA	Transil 15 V x x 1500 W SMC	SM15T15A	ST
3	5	CR4			05600022155AA	Double Diode BAV199 85 V x 250 mW SO-3	BAV199	INFINEON
		CR15			05600022155AA	Double Diode BAV199 85 V x 250 mW SO-3	BAV199	INFINEON
		CR16			05600022155AA	Double Diode BAV199 85 V x 250 mW SO-3	BAV199	INFINEON
		CR17			05600022155AA	Double Diode BAV199 85 V x 250 mW SO-3	BAV199	INFINEON
		CR18			05600022155AA	Double Diode BAV199 85 V x 250 mW SO-3	BAV199	INFINEON
4	3	CR5			05600020964AA	Filtre ESD PGB 0603 24 VDC x x 603	PGB0010603?R	LITTELFUSE
		CR11			05600020964AA	Filtre ESD PGB 0603 24 VDC x x 603	PGB0010603?R	LITTELFUSE
		CR12			05600020964AA	Filtre ESD PGB 0603 24 VDC x x 603	PGB0010603?R	LITTELFUSE
5	2	CR7			05600033268AA	Diode Zener 10 V x 5 % 400 mW SOD110	BZX284-C10	PHILIPS
		CR8			05600033268AA	Diode Zener 10 V x 5 % 400 mW SOD110	BZX284-C10	PHILIPS
6	2	CR9			05600022216AA	Transil 33 V 59 V x 600W SMB	SM6T33A	ST
		CR10			05600022216AA	Transil 33 V 59 V x 600W SMB	SM6T33A	ST
7	0	CR13	NM		05600020964AA	Filtre ESD PGB 0603 24 VDC x x 603	PGB0010603?R	LITTELFUSE
8	0	CR14	NM		05600020964AA	Filtre ESD PGB 0603 24 VDC x x 603	PGB0010603?R	LITTELFUSE
9	3	C1			05600031610AA	Condensateur 10 uF 16V 10% x 805	C0805C106K4PACTU	AVX
		C6			05600031610AA	Condensateur 10 uF 16V 10% x 805	C0805C106K4PACTU	AVX
		C25			05600031610AA	Condensateur 10 uF 16V 10% x 805	C0805C106K4PACTU	AVX
10	16	C2			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C3			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C4			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C5			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C7			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C13			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C17			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C21			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C22			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C23			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C24			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
		C26			05600001614AA	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA

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Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
					C27	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
					C36	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
					C37	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
					C39	Condensateur 100 nF 16 V 10% x 402	GRM155R71C104K	MURATA
11	2	C8			05600001605AA	Condensateur 1 nF 50 V 10% x 402	GRM155R71H102K	MURATA
		C35			05600001605AA	Condensateur 1 nF 50 V 10% x 402	GRM155R71H102K	MURATA
12	1	C9			05600030910AA	Condensateur 2.2 uF 50 V 10% x 1206	GRM31CR71H225KA88L	MURATA
13	1	C10			05600028267AA	Condensateur 4.7 uF 50 VDC 20% x 1206	GRM31CF51H475ZA01	MURATA
14	1	C11			05600028033AA	Condensateur 82 pF 50 V 5% x 603	VJ0603A820JXAPW1BC	VITRAMON
15	1	C12			05600028051AA	Condensateur 100 nF 50 V 10% x 603	CL10B104KB8NNNC	SAMSUNG
16	2	C14			05600039875AA	Condensateur 100 pF 50 V 5% x 402	04025A101JAT2A	AVX
		C29			05600039875AA	Condensateur 100 pF 50 V 5% x 402	04025A101JAT2A	AVX
17	1	C15			05600021566AA	Condensateur 1 uF 50 V 10% x 1206	GRM31MR71H105KA88L	MURATA
18	1	C16			05600037438AA	Condensateur 10 uF 50V 10% x boitier D	TAJD106K050R	AVX
19	0	C18	NM		05600031610AA	Condensateur 10 uF 16V 10% x 805	C0805C106K4PACTU	AVX
20	5	C19			05600027118AA	Condensateur 22 pF 50 V +/-10% x 0402	04025A220JAT2A	AVX
		C20			05600027118AA	Condensateur 22 pF 50 V +/-10% x 0402	04025A220JAT2A	AVX
		C30			05600027118AA	Condensateur 22 pF 50 V +/-10% x 0402	04025A220JAT2A	AVX
		C33			05600027118AA	Condensateur 22 pF 50 V +/-10% x 0402	04025A220JAT2A	AVX
		C34			05600027118AA	Condensateur 22 pF 50 V +/-10% x 0402	04025A220JAT2A	AVX
21	2	C28			05600028492AA	Condensateur 10 nF 16 V 10 % x 0402	C0402C103K4RACTU	KEMET
		C38			05600028492AA	Condensateur 10 nF 16 V 10 % x 0402	C0402C103K4RACTU	KEMET
22	2	C31			05600029777AA	Condensateur X5R 1 uF 6.3 V 10% x 402	GRM155R60J105KE19D	MURATA
		C32			05600029777AA	Condensateur X5R 1 uF 6.3 V 10% x 402	GRM155R60J105KE19D	MURATA
23	1	DS1			05600037768AA	Led Trad LED bicolore Rouge/Vert 2.5V x 20mA DIA-3mm	L937EGW	Kingbright
24	1	DS2			05600043133AA	PIN PHOTODIODE VISIBLE BPW34S -16 V x x 6.7*4 Gullwing	BPW34S	OSRAM
25	1	F1			05600027565AA	Fusible 1 A 30 V x x 8x5.5 mm	SMD100-2	RAYCHEM
26	1	J1			05600027040AA	Connecteur JACK_3.5mm_03FC x x x CON-CMS-003-x-F-C	1503 03	LUMBERG
27	0	J2	NM		33900037964AA	Connecteur Micro USB AB USB_Micro_AB_F 100Vac x x COM MISB-SW-5AB-LF		MORETHANALL
28	0	J3	NM		05600039795AA	Connecteur HE13_06MC x x x CON-TRV-006-2.54-M-C	5-826631-0	AMP
29	1	J4			33900042274AA	Connecteur Micro USB AB USB_Micro_AB_F 100Vac x x COM 100304-08		FJY ELECTRONICS
30	1	J5			05600041185AA	Connecteur JACK 2.5mm 4P SMT x x CON-CMS-004-x-F-C TG286D		TECHNIK INDUSTRIAL
31	0	J6	NM		05600026278AA	Connecteur Barrette 2.54_04MD x x CON-TRV-004-2.54-M-15-0826926-0 (C4)		AMP

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Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
32	1	L1			05600037366AA	Self 10 uH x 10% x 0805	7447908	WURTH
33	1	MA1			05600042185AA	AOP LOW POWER 430kHz OPA244NA 36V x x SOT23-5	OPA244NA	TI
34	2	MA2			05600039410AA	AOPx1 LOW VOLTAGE RRout 5MHz x 5.5Vdc x x SOT23-5	LMV821M5	NS
		MA3			05600039410AA	AOPx1 LOW VOLTAGE RRout 5MHz x 5.5Vdc x x SOT23-5	LMV821M5	NS
35	1	MN1			05600025933AA	Inverseur 74LVC1G14 5.5 V x x SOP5	SN74LVC1G14DCK	TI
36	1	MN2			05600042179AA	Microcontrôleur USB PIC18F45J50 3.6 V x x QFN44	PIC18F45J50-I/ML	MICROCHIP
37	1	MN3			05600043129AA	Microcontrôleur 3.6 V x x TSOP-014-0.65	MSP430F2011IPW	TI
38	3	Q1			05600043258AA	2xMosfet Canal P (logic level) IRF7342 --55V x 2W SO8	IRF7342	IR
		Q4			05600043258AA	2xMosfet Canal P (logic level) IRF7342 --55V x 2W SO8	IRF7342	IR
		Q5			05600043258AA	2xMosfet Canal P (logic level) IRF7342 --55V x 2W SO8	IRF7342	IR
39	4	Q2			05600038577AA	Transistor NDC7002N 50 V x 0.96 W SOT-6	NDC7002N	FAIRCHILD
		Q6			05600038577AA	Transistor NDC7002N 50 V x 0.96 W SOT-6	NDC7002N	FAIRCHILD
		Q7			05600038577AA	Transistor NDC7002N 50 V x 0.96 W SOT-6	NDC7002N	FAIRCHILD
		Q8			05600038577AA	Transistor NDC7002N 50 V x 0.96 W SOT-6	NDC7002N	FAIRCHILD
40	1	Q3			05600043259AA	Transistor IRF7341 55 V x 2 W SO8	IRF7341	IR
41	11	R1			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R4			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R7			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R22			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R27			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R28			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R31			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R41			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R47			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R50			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
		R58			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
42	0	R2	NM		05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
	0	R63	NM		05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
43	2	R3			05600020631AA	Resistance 100 k 50 V 1 % 63 mW 402	CRCW0402100KFKED	VISHAY
		R12			05600020631AA	Resistance 100 k 50 V 1 % 63 mW 402	CRCW0402100KFKED	VISHAY
44	1	R5			05600038465AA	Resistance 9k31 25 0.1% 63 mW 402	PCF0402-R-9k31BI	WELWYN
45	1	R6			05600042109AA	Resistance 300 k 50 V 1 % 63 mW 402	CRCW0402300KFKED	VISHAY
46	1	R8			05600037932AA	Resistance 3.3 k 50 V 1 % 63 mW 402	RC0402FR-073K3L	YAGEO

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Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
47	1	R9		NM	05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
48	2	R10			05600042184AA	Resistance 270 k 50 V 1 % 63 mW 402	RC0402FR-07270KL	YAGEO
		R45			05600042184AA	Resistance 270 k 50 V 1 % 63 mW 402	RC0402FR-07270KL	YAGEO
49	1	R11			05600042110AA	Resistance 910 k 50 V 1 % 63 mW 402	CRCW0402910KFKED	VISHAY
50	2	R13			05600002551AA	Resistance 47k 50 V 5% 63 mW 402	2322705?0473	PHILIPS
		R14			05600002551AA	Resistance 47k 50 V 5% 63 mW 402	2322705?0473	PHILIPS
51	2	R15			05600039974AA	Resistance 22k 50 V 5% 63 mW 402	RK73B1ETTP223J	KOA
		R16			05600039974AA	Resistance 22k 50 V 5% 63 mW 402	RK73B1ETTP223J	KOA
52	4	R17			05600021341AA	Resistance 100 150 V 5% 125 mW 805	2322-730-61101	PHILIPS
		R18			05600021341AA	Resistance 100 150 V 5% 125 mW 805	2322-730-61101	PHILIPS
		R19			05600021341AA	Resistance 100 150 V 5% 125 mW 805	2322-730-61101	PHILIPS
		R20			05600021341AA	Resistance 100 150 V 5% 125 mW 805	2322-730-61101	PHILIPS
53	2	R21			05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
		R26			05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
54	3	R23			05600039865AA	Resistance 1.5 k 50 V 1 % 63 mW 402	CRCW04021K50FKED	VISHAY
		R49			05600039865AA	Resistance 1.5 k 50 V 1 % 63 mW 402	CRCW04021K50FKED	VISHAY
		R51			05600039865AA	Resistance 1.5 k 50 V 1 % 63 mW 402	CRCW04021K50FKED	VISHAY
55	2	R24			05600002490AA	Resistance 100 50 V 5% 63 mW 402	2322705?0101	PHILIPS
		R25			05600002490AA	Resistance 100 50 V 5% 63 mW 402	2322705?0101	PHILIPS
56	4	R29			05600021310AA	Resistance 0 150 V 5% 125 mW 805	232273091002	PHILIPS
		R30			05600021310AA	Resistance 0 150 V 5% 125 mW 805	232273091002	PHILIPS
		R32			05600021310AA	Resistance 0 150 V 5% 125 mW 805	232273091002	PHILIPS
		R33			05600021310AA	Resistance 0 150 V 5% 125 mW 805	232273091002	PHILIPS
57	2	R34			05600039868AA	Resistance 1 M 50 V 1 % 63 mW 402	RK73H1ETTP1004F	KOA
		R44			05600039868AA	Resistance 1 M 50 V 1 % 63 mW 402	RK73H1ETTP1004F	KOA
58	1	R35			05600041205AA	Resistance 680k 50 1% 63 mW 402	2322-706-76804	PHILIPS
59	5	R36			05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
		R37			05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
		R40			05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
		R42			05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
		R53			05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
60	2	R38			05600035044AA	Resistance 1.5k 50 V 5% 63 mW 402	ERJGEJ152X	PANASONIC
		R46			05600035044AA	Resistance 1.5k 50 V 5% 63 mW 402	ERJGEJ152X	PANASONIC

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Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
61	2	R39			05600030098AA	Resistance 470 50 1% 63 mW 402	2322-706-74701	PHYCOMP
		R48			05600030098AA	Resistance 470 50 1% 63 mW 402	2322-706-74701	PHYCOMP
62	0	R43	NM		05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
	0	R52	NM		05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
	0	R54	NM		05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
63	0	R55	NM		05600038656AA	Resistance 46k4 50 V 1 % 63 mW 402	RC0402FR-0746K4L	YAGEO
64	1	R56			05600039866AA	Resistance 10 k 50 V 1 % 63 mW 402	CRCW040210K0FKED	VISHAY
65	1	R57			05600039867AA	Resistance 220 k 50 V 1 % 63 mW 402	RC0402FR-07221KL	YAGEO
66	3	R59			05600033441AA	Resistance 75 50 V 5% 63 mW 402	RK73H1ELTP75R0	VISHAY
		R60			05600033441AA	Resistance 75 50 V 5% 63 mW 402	RK73H1ELTP75R0	VISHAY
		R61			05600033441AA	Resistance 75 50 V 5% 63 mW 402	RK73H1ELTP75R0	VISHAY
67	1	R62			05600039861AA	Resistance 68k 50 V 5% 63 mW 402	RC0402JR-0768KL	YAGEO
68	0	R64	NM		05600026722AA	Resistance 0 50 V 5% 63 mW 402	2322-705-9100?	PHILIPS
69	6	TP1	x			Test Point Test Point x x x DIA-1.5	NA	NA
		TP2	x			Test Point Test Point x x x DIA-1.5	NA	NA
		TP3	x			Test Point Test Point x x x DIA-1.5	NA	NA
		TP4	x			Test Point Test Point x x x DIA-1.5	NA	NA
		TP5	x			Test Point Test Point x x x DIA-1.5	NA	NA
		TP6	x			Test Point Test Point x x x DIA-1.5	NA	NA
70	19	TP7	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP8	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP11	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP12	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP13	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP14	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP15	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP16	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP17	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP18	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP19	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP20	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP21	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
		TP22	x			Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA

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Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
					TP23	Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
					TP24	Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
					TP25	Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
					TP26	Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
					TP27	Test Point CMS 1.0 TP x x x d=1.0 mm	NA	NA
71	2				TP9	Test Point Test Point x x x DIA-3.2	NA	NA
					TP10	Test Point Test Point x x x DIA-3.2	NA	NA
72	1				VR1	05600031780AA CMS SOT223 Quadruple driver de ligne LDO Vs:5V Is:800mA LM1117MP-5.0		NS
73	1				VR2	05600038881AA LDO micropower 3.0V 150mA x 5.5Vdc x x SOT23-5	LP5951MF-3.0	NS
74	1				VR3	05600043256AA DC-DC Boost 2.7-14/40V 1.5A 0.7ohms x 14V x x SOT23-5	LM2733YMF	NS
75	1				Y1	05600038842AA Quartz 16MHz drift 15ppm 8pF 16.0000 MHz x 15 ppm 200 µV NX3225SA-16.000000MHZ		NDK
76	4				Z1	Trou Fixation Mécanique phi 3.2 mm x x x x	NA	NA
					Z2	Trou Fixation Mécanique phi 3.2 mm x x x x	NA	NA
					Z3	Trou Fixation Mécanique phi 3.2 mm x x x x	NA	NA
					Z4	Trou Fixation Mécanique phi 3.2 mm x x x x	NA	NA

NOMENCLATURE

Client: ACTIVEYES Référence dossier: NM110854 Indice: P01

TEL(33) 04 92 02 45 45 - FAX (33) 04 92 02 45 46 - www.studiel.fr

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NOMENCLATURE

Item	Qté	Rep.	Rév.	Ass	Code Article	Designation	Reference Fabricant	Fabricant
77	1				05601000894A0	Circuit imprimé	PC110856-A	STUDIEL