

Bosch GAL1880CV, 1 607 503 275-D, PCB4076 Rev0.7, CEM-1 1.6T 10Z, 2017-09-11

Resistors		
	Value	Case
R1	5C1103	10mm
R2	680k	TH 1/4W
R3	1M	0805 (2012)
R4	1M	0805 (2012)
R5	1M	0805 (2012)
R6	1M	0805 (2012)
R7	82k	0805 (2012)
R8	30R	0805 (2012)
R9	100R	TH 1/4W
R10	1M	TH 1/4W
R11	2k	0805 (2012)
R12	390R	0805 (2012)
R13	6R8	1206 (3216)
R14	4R7	1206 (3216)
R15	4R7	1206 (3216)
R16	1k	0805 (2012)
R17	22k	0805 (2012)
R18	1k	0805 (2012)
R20	1M	0805 (2012)
R21	1M	0805 (2012)
R22	1M	0805 (2012)
R23	1M	0805 (2012)
R24	100k	0805 (2012)
R25	14k	0805 (2012)
R26	2k	0805 (2012)
R27	9k1	0805 (2012)
R28	47R	0805 (2012)
R29	1M	0805 (2012)
R30	2k	0805 (2012)
R31	47R	0805 (2012)
R32	82R	0805 (2012)
R33	47R	0805 (2012)
R34	4R7	0805 (2012)
R35	100k	0805 (2012)
R36	47R	0805 (2012)
R37	4R7	0805 (2012)
R38	100k	0805 (2012)
R39	100R	1206 (3216)
R40	4.7R	0805 (2012)
R43	4.7R	1206 (3216)
R44	330R	0805 (2012)
R45	68k	0805 (2012)
R46	82k	0805 (2012)
R47	19.6k	0805 (2012)
R49	10k	0805 (2012)
R50	2.7k	0805 (2012)
R51	3.48k	0805 (2012)
R52	4.7R	1206 (3216)
R53	4.7R	1206 (3216)
R54	4.7R	0805 (2012)
R55	10k	0805 (2012)
R56	1k	0805 (2012)
R57	4.7R	TH 1/4W
R58	1k	TH 1/4W
R61	1k	TH 1/4W
R62	1.47k	0805 (2012)
R63	1k	0805 (2012)
R64	10k	0805 (2012)
R65	20k	TH 1/4W
R66	20k	TH 1/4W
R67	3.65k	0805 (2012)
R68	11.8k	TH 1/4W
R70	10k	TH 1/4W
R71	430k	TH 1/4W
R73	10k	TH 1/4W
R74	82k	0805 (2012)
R75	11k	0805 (2012)
R76	1k	0805 (2012)
R77	11k	0805 (2012)
R78	10k	0805 (2012)

Resistors		
	Value	Case
R81	4.7R	1206 (3216)
R82	10k	0805 (2012)
R83	10k	0805 (2012)
R84	360R	0805 (2012)
R85	750R	1206 (3216)
R86	10k	TH 1/4W
R87	NTCM-4K7-B3470	TH Bead
R88	10k	0805 (2012)
R90	0.22R	TH 1/4W
R91	0.22R	TH 1/4W
R92	0.22R	TH 1/4W
R93	0.22R	TH 1/4W
R94	0.22R	TH 1/4W
R95	0.22R	TH 1/4W
R96	0.22R	TH 1/4W
R97	0.22R	TH 1/4W
R99	10k	TH 1/4W
R100	0R24	2W
R101	0R24	2W
R102	10k	TH 1/4W
R103	2.7k	TH 1/4W
R104	20k	TH 1/4W
R107	0R	0805 (2012)
R109	4.7R	1206 (3216)
R110	4.7R	1206 (3216)

Diodes		
	Value	Case
V1	1N4007R	DO-41
V2	1N4007R	DO-41
V3	1N4007R	DO-41
V4	1N4148W	SOD123
V5	UF4007R	DO-41
V6	1N4007R	DO-41
V7	BZT52C13	SOD-123F
V8	GBU808	
V9	1N4148W	SOD123
V10	1N4148W	SOD123
V11	1N4148W	SOD123
V12	1N4148W	SOD123
V13	UF4007R	DO-41
V14	not populated	
V15	not populated	
V16	1N4148W	DO-35
V17	1N4148W	DO-35
V18	1N4148W	SOD123
V19	1N4148W	SOD123
V20	LED RED	2x5mm
V21	LED GREEN	2x5mm

Integrated Circuits		
	Value	Case
TP10	HR1000AGS	SOIC16
TP23	MP6922DSE	SOIC8
TP26	LM324A	SO14
TP33	MHI 1607503306	SOP20
N1	GA1, AZ431A	SOT23
N2	TL1431A	TO-92 (3)

Miscellaneous	
F1	Fuse T 2.5A
S1	Relay, HF115F, 12V-DC, 12A/250V
U1	PC817, DIP4
U2	PC817, DIP4
EMI Transformer	T503-00012-00, 71503-00012-00, TenPao 0501 1750
Standby Transformer	1607503075, 71002-00287-00, TenPao 0501 1750
Main Transformer	1607503223, 71042-00017-00, TenPao 0501 1748

Capacitors		
	Value	Case
C1	0.47uF X2 MPX 275V	18x7.5x13.5mm
C2	4.7uF, 400V	12x8mm
C3	1nF	0805
C4	10nF	0805
C5	2.2nF, 1kV	
C6	10uF, 100V	11x6.5mm
C7	1nF	1206 (3216)
C8	47uF, 35V	11x6.5mm
C9	1nF	0805 (2012)
C10	1nF	0805 (2012)
C11	100uF, 400V	
C12	100uF, 400V	
C14	4.7uF	0805 (2012)
C15	100nF	0805 (2012)
C16	470pF	0805 (2012)
C17	470pF	0805 (2012)
C20	100nF	0805 (2012)
C21	100nF	0805 (2012)
C22	1uF	0805 (2012)
C23	220pF	1206 (3216)
C24	470pF	1206 (3216)
C25	470pF	1206 (3216)
C26	33nF, 630V	
C30	47uF, 35V	11x6.5mm
C31	1nF	1206 (3216)
C32	1nF	0805 (2012)
C33	1nF	0805 (2012)
C34	100nF	0805 (2012)
C35	2.2nF, X1, Y1, 400,250V	10mm
C36	2.2nF, X1, Y1, 400,250V	10mm
C37	1nF	1206 (3216)
C38	1nF	1206 (3216)
C39	100nF	0805 (2012)
C40	330uF, 35V	
C41	330uF, 35V	
C42	220nF	0805 (2012)
C43	220nF	0805 (2012)
C44	4.7uF	0805 (2012)
C45	4.7uF	0805 (2012)
C46	1uF	0805 (2012)
C47	1uF	0805 (2012)
C48	100nF	0805 (2012)
C101	1nF	1206 (3216)
C102	1nF	1206 (3216)

Transistors		
	Value	Case
Q1	CS1N80 A1H	HFU1N80
Q2	PMBT3904 (W1A)	SOT-23
Q3	SMD 1B	SOT-23
Q4	MDF9N50B	TO-220F
Q5	MDF9N50B	TO-220F
Q6	SMD 1B	SOT-23
Q7	K30F06N1	TO-220
Q8	K30F06N1	TO-220
Q9	SMD 1B	SOT-23
Q10	BC817-40(6CT)	SOT-23