

**For use in Cable Kit no. 72593100:**

R1 to R12: short circuit each of them by soldering  
CON2 and CON4: not mounted  
The flatcable shall be connected through to the PCB through the CON3.  
One of the connectors on the Flat Cable shall not be mounted (done by customer)

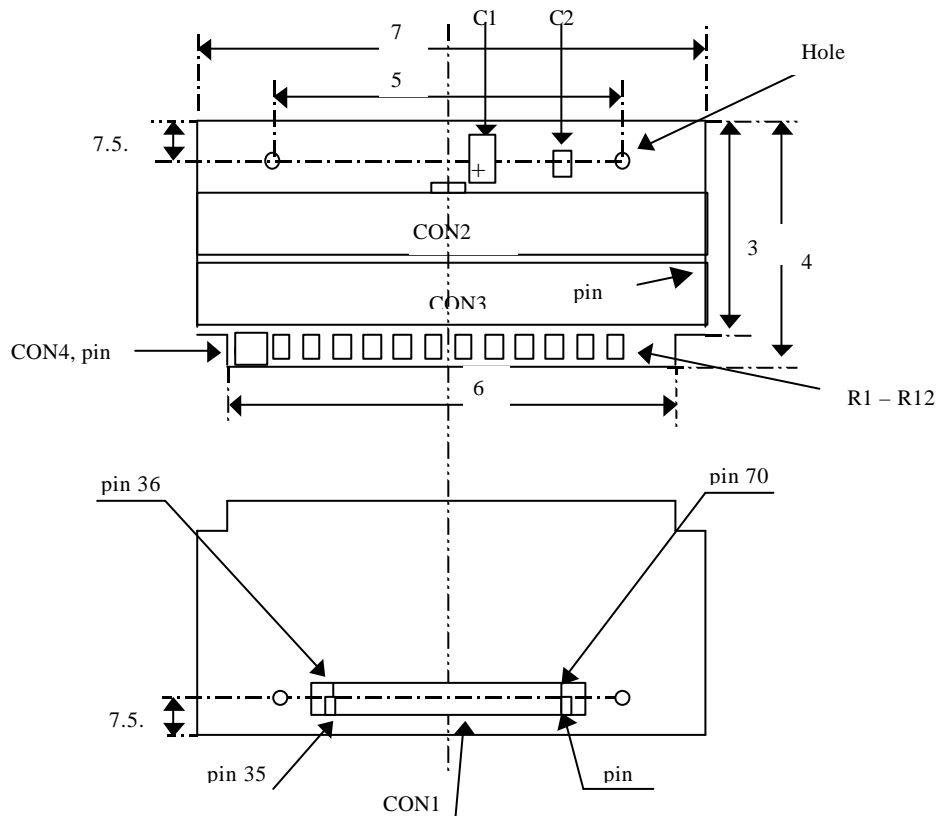
**For use in Cable Kit no. 72594100:**

R1 to R12: shall not be short-circuited by soldering  
CON3 and CON4: not mounted  
Add the Cable Kit 72593100

**Components:**

- PCB no. 20100981 (Four layer)
- CON1: Molex 53475-0709
- CON2: Hirose HIF6A-100PA-1.27DSA
- CON3: 50-pole low profile connector for flat cable (INSIDE no. 30800105)
- CON4: 2-pole pin connector holes diam. 1 mm.
- C1: 22 $\mu$ F/6V3, tantal, House type B, AEX TAJB226M006
- C2: 20pF, House type 0603
- R1 – R12: two pads to be shorted by soldering

**Layout:**





CON1		CON2		CON3		Other components
Function	Pin no.	Pin no.	Function	Pin no.	Function	
GND	1	*	GND	**	GND	
CLK	2	13	SHFCLK	13	SHFCLK	C2.1
GND	3	*	GND	**	GND	
R00	4	33	P12	-	NC	R1.2
R01	5	34	P13	-	NC	R2.2
R02	6	36	P14	41	P16	
GND	7	*	GND	**	GND	
R03	8	37	P15	42	P17	
R04	9	41	P16	43	P18	R1.1
R05	10	42	P17	44	P19	R2.1
GND	11	*	GND	**	GND	
R10	12	60	P30	-	NC	R3.2
R11	13	61	P31	-	NC	R4.2
R12	14	63	P32	46	P20	
GND	15	*	GND	**	GND	
R13	16	64	P33	47	P21	
R14	17	66	P34	48	P22	R3.1
R15	18	67	P35	49	P23	R4.1
GND	19	*	GND	**	GND	
G00	20	24	P6	-	NC	R5.2
G01	21	25	P7	-	NC	R6.2
G02	22	27	P8	27	P8	
GND	23	*	GND	**	GND	
G03	24	28	P9	28	P9	
G04	25	30	P10	30	P10	R5.1
G05	26	31	P11	31	P11	R6.1
GND	27	*	GND	**	GND	
G10	28	51	P24	-	NC	R7.2
G11	29	52	P25	-	NC	R8.2
G12	30	54	P26	33	P12	
GND	31	*	GND	**	GND	
G13	32	55	P27	34	P13	
G14	33	57	P28	36	P14	R7.1
G15	34	58	P29	37	P15	R8.1
GND	35	*	GND	**	GND	
B00	36	15	P0	-	NC	R9.2
B01	37	16	P1	-	NC	R10.2
B02	38	18	P2	15	P0	
GND	39	*	GND	**	GND	
B03	40	19	P3	16	P1	
B04	41	21	P4	18	P2	R9.1
B05	42	22	P5	19	P3	R10.1
GND	43	*	GND	**	GND	
B10	44	43	P18	-	NC	R11.2
B11	45	44	P19	-	NC	R12.2
B12	46	46	P20	21	P4	
GND	47	*	GND	**	GND	
B13	48	47	P21	22	P5	
B14	49	48	P22	24	P6	R11.1
B15	50	49	P23	25	P7	R12.1
GND	51	*	GND	**	GND	
VS	52	11	FLM	11	FLM	
HS	53	10	LP	10	LP	
DE	54	7	M	7	M	

GND	55	9	GND	9	GND	
GND	56	6	GND	6	GND	
VDD	57	1&2	VCC	1&2	VCC	C1.1 (+)
VDD	58	1&2	VCC	1&2	VCC	C1.1 (+)
VDD	59	1&2	VCC	1&2	VCC	C1.1 (+)
VDD	60	1&2	VCC	1&2	VCC	C1.1 (+)
NC	61	-	NC	-	NC	
NC	62	-	NC	-	NC	
NC	63	-	NC	-	NC	
NC	64	-	NC	-	NC	
NC	65	-	NC	-	NC	
GND	66	*	GND	**	GND	
GND	67	*	GND	**	GND	
BRC	68	-	-	-	-	
GND	69	*	GND	**	GND	
GND	70	*	GND	**	GND	
-	-	40	VEE	40	VEE	connect to CON4 pin 1

\* GND on CON 2 pin 6, 9, 12, 14, 17, 20, 23, 26, 29, 32, 35, 38, 45, 50, 53, 56, 59, 62, 65 and 68.

\*\* GND on CON 3 pin 6, 9, 12, 14, 17, 20, 23, 26, 29, 32, 35, 38, 45 and 50.

CON 4 pin 2 shall be GND

C1.2 shall be connected to GND

C2.2 shall be connected to GND

CON 2 pin 3, 4, 5, 8, 39 & 69 to 100 shall not be connected

CON 3 pin 3, 4, 5, 8 & 39 shall not be connected