

OPTICFLOWT_C

LIS A.Klaptocz

Phone:

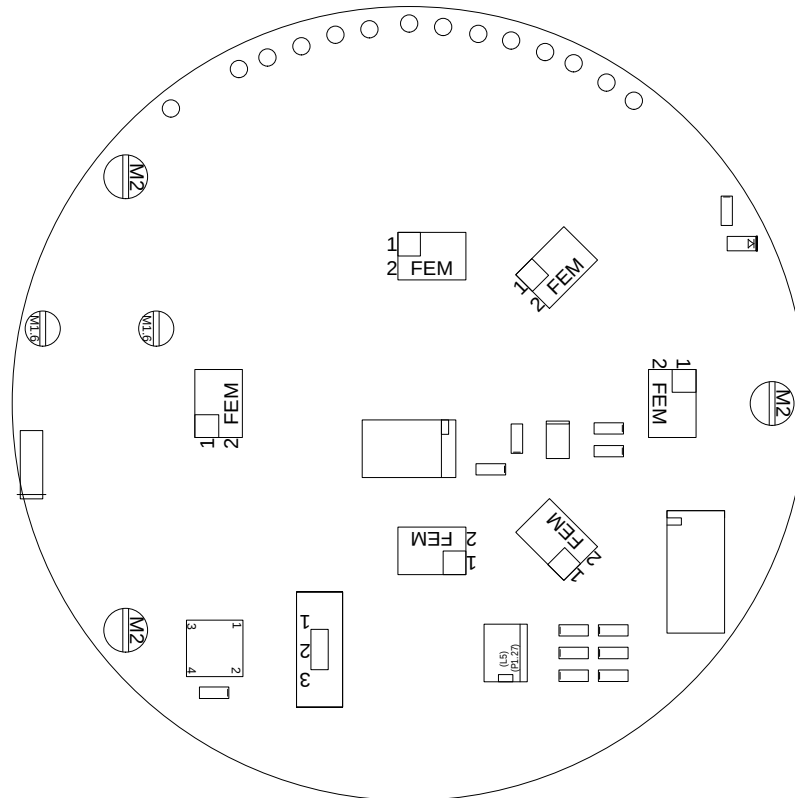
Mon Oct 30 18:04:50 MET 2006

MFG_DATE: 30.10.2006

QUANTITY: 6

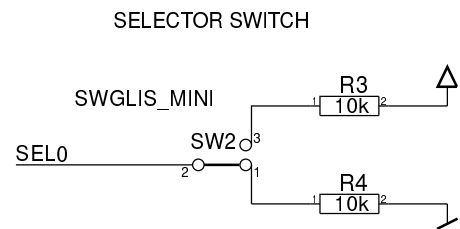
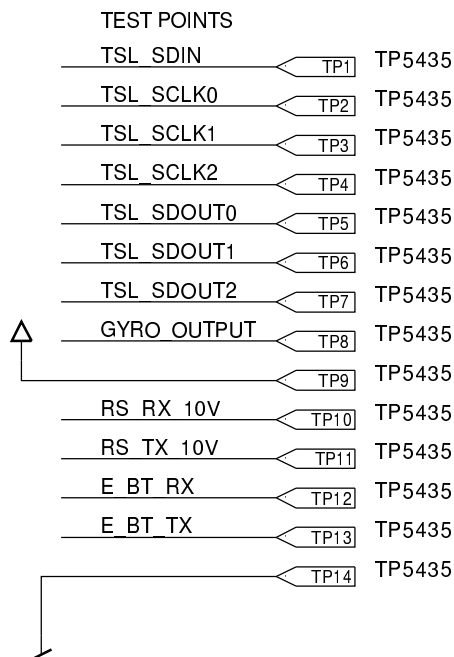
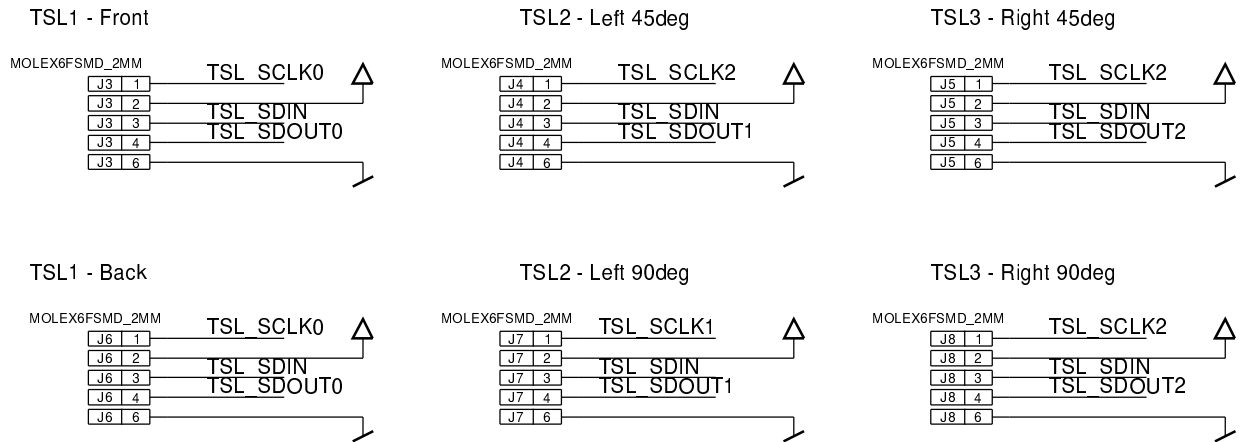
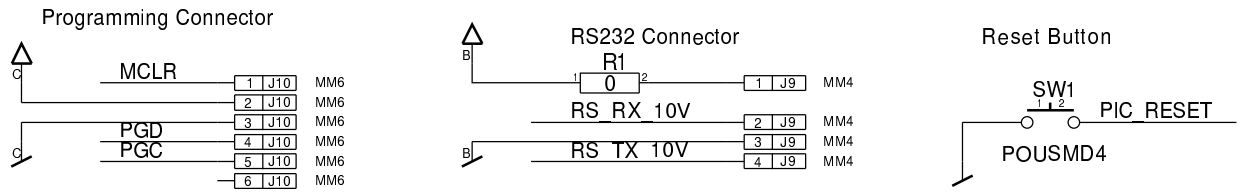
SOLDERMASK: mtop mbot

MATERIAL: FR4 : 1.6 mm

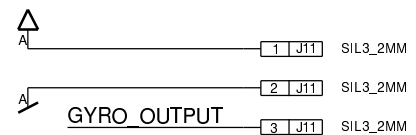


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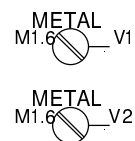
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Gyroscope Module Connector

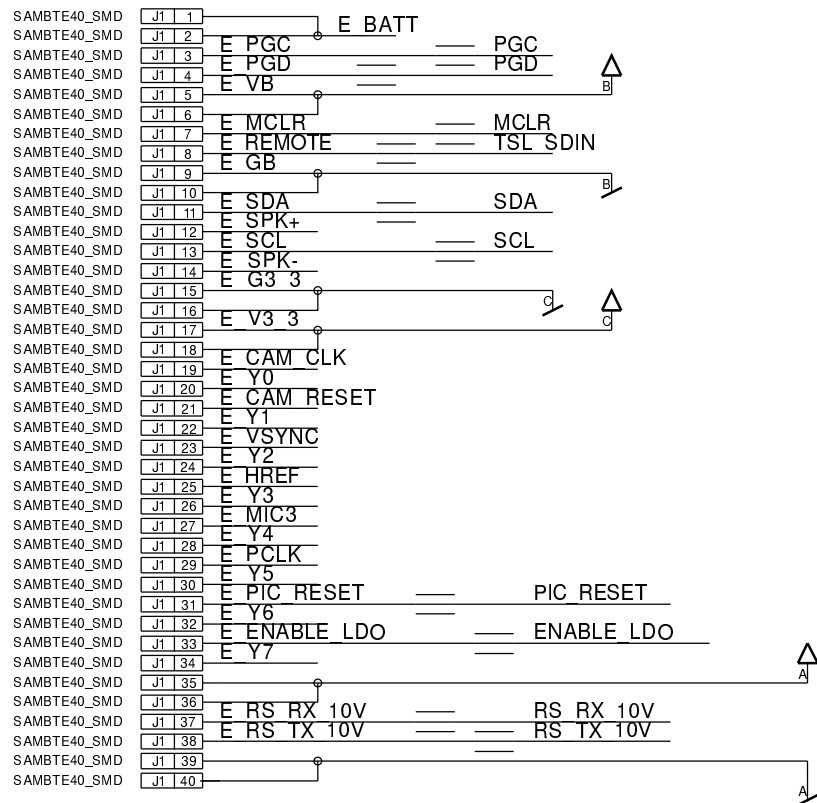


Gyroscope Screws

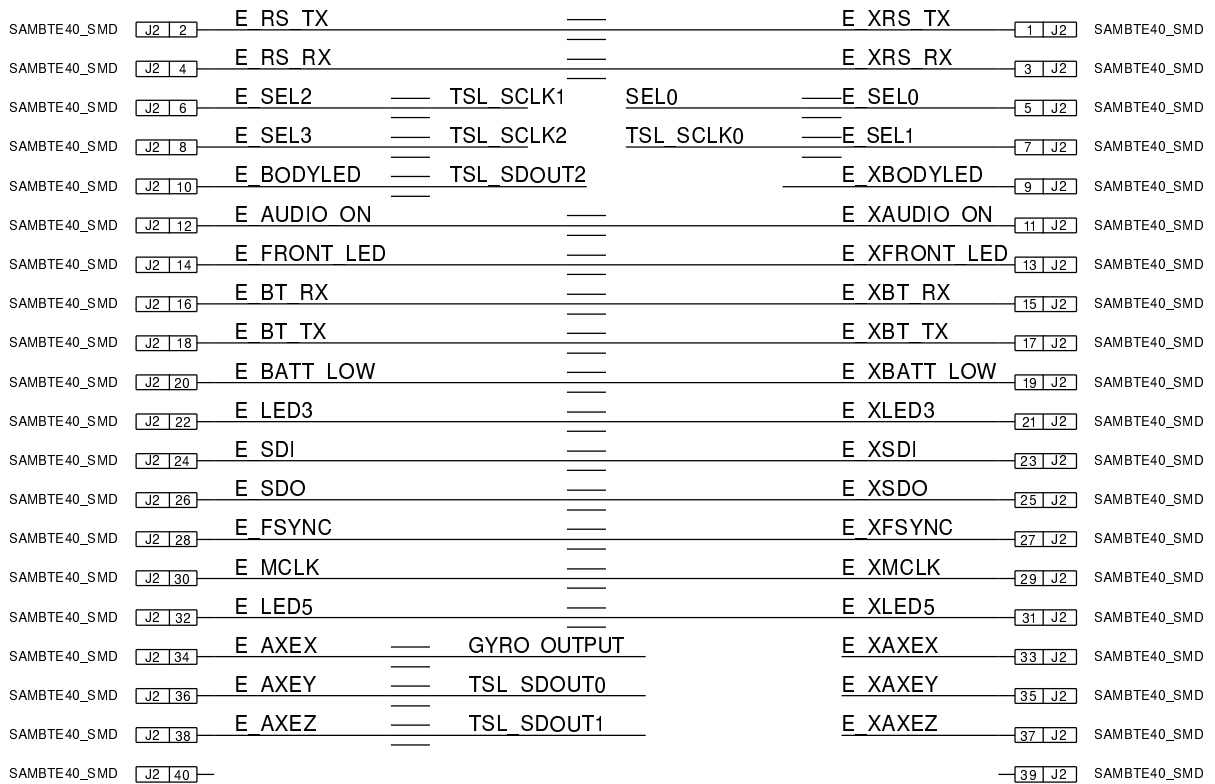


DRAWING OPTICFLOWT_B	ENGINEER: AK
DATE: Thu Oct 26 17:28:51 2006	PAGE: 1/1 acort cuser

BOTTOM CONNECTOR (TO PIC)



BOTTOM CONNECTOR (TO PIC)

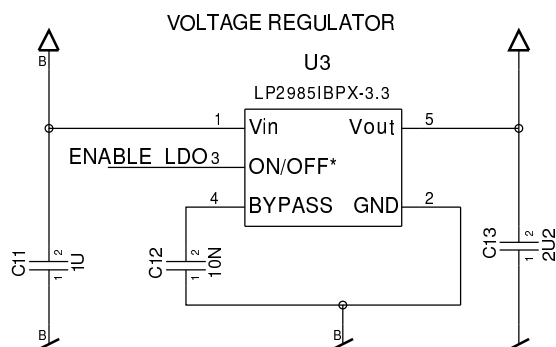


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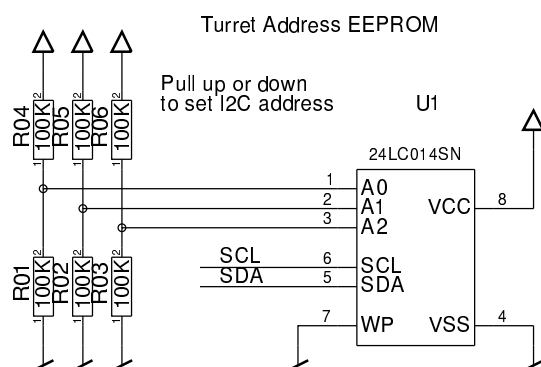
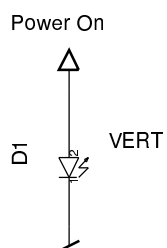
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One-point connection



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OPTICFLOWT_B (I2C-REG)

DATE:
Mon Oct 24 11:34:25 2005

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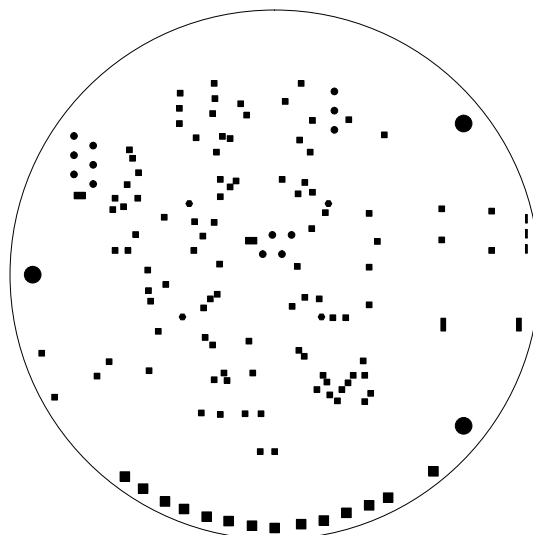
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Signal Page Ref OPTICFLOWT_C

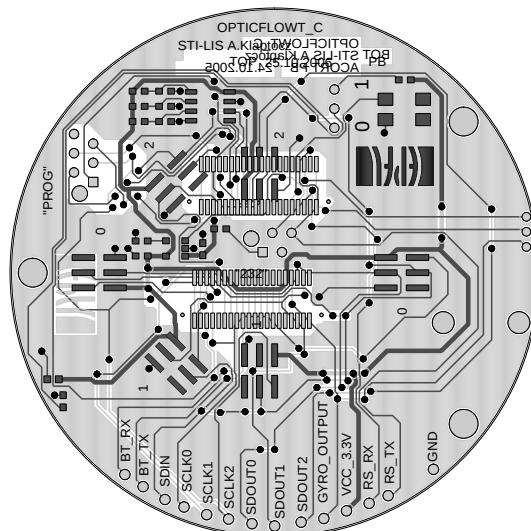
opticflowt

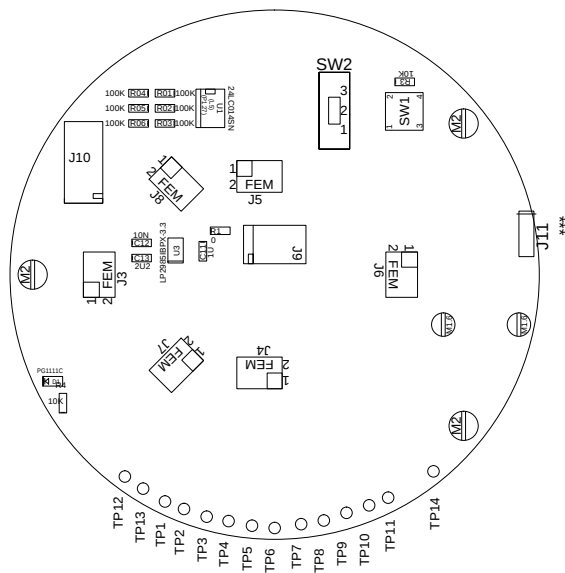
Mon Oct 30 18:04:53 MET 2006

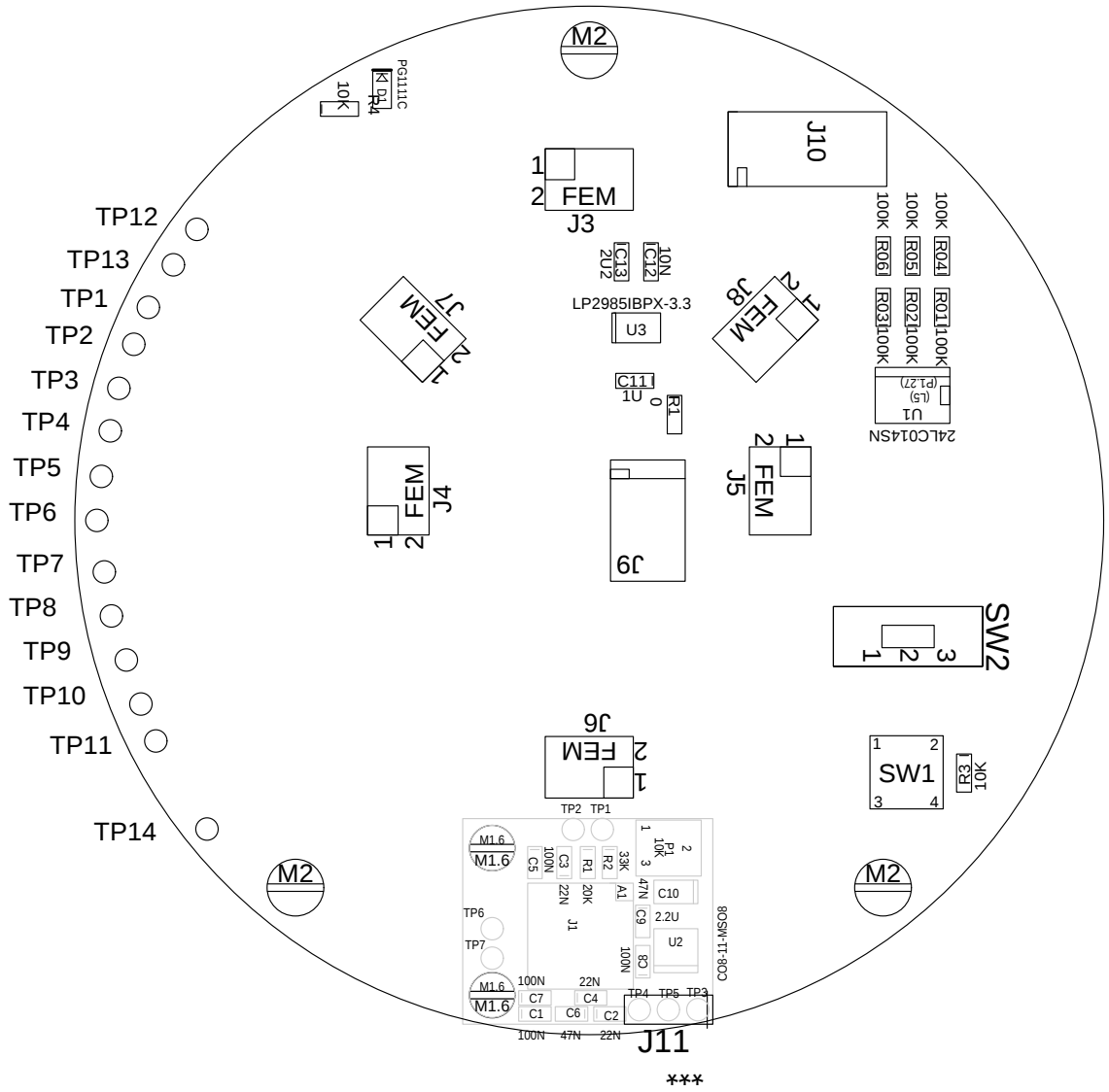
Ref Des	Pages	Ref Des	Pages
ENABLE_LDO	2 3	E_XRS_RX	2
E_AUDIO_ON	2	E_XRS_TX	2
E_AXEX	2	E_XSDI	2
E_AXEY	2	E_XSDO	2
E_AXEZ	2	E_Y0	2
E_BATT	2	E_Y1	2
E_BATT_LOW	2	E_Y2	2
E_BODYLED	2	E_Y3	2
E_BT_RX	1 2	E_Y4	2
E_BT_TX	1 2	E_Y5	2
E_CAM_CLK	2	E_Y6	2
E_CAM_RESET	2	E_Y7	2
E_ENABLE_LDO	2	GYRO_OUTPUT	1 1 2
E_FRONT_LED	2	MCLR	1 2
E_FSYNC	2	PGC	1 2
E_G3_3	2	PGD	1 2
E_GB	2	PIC_RESET	1 2
E_HREF	2	RS_RX_10V	1 1 2
E_LED3	2	RS_TX_10V	1 1 2
E_LED5	2	SCL	2 3
E_MCLK	2	SDA	2 3
E_MCLR	2	SEL0	1 2
E_MIC3	2	TSL_SCLK0	1 1 1 2
E_PCLK	2	TSL_SCLK1	1 1 2
E_PGC	2	TSL_SCLK2	1 1 1 1 2
E_PGD	2	TSL_SDIN	1 1 1 1 1 1 1 2
E_PIC_RESET	2	TSL_SDOUT0	1 1 1 2
E_REMOTE	2	TSL_SDOUT1	1 1 1 2
E_RS_RX	2	TSL_SDOUT2	1 1 1 2
E_RS_RX_10V	2	Total Signals count 87	
E_RS_TX	2		
E_RS_TX_10V	2		
E_SCL	2		
E_SDA	2		
E_SDI	2		
E_SDO	2		
E_SEL0	2		
E_SEL1	2		
E_SEL2	2		
E_SEL3	2		
E_SPK+	2		
E_SPK-	2		
E_V3_3	2		
E_VB	2		
E_VSYNC	2		
E_XAUDIO_ON	2		
E_XAXEX	2		
E_XAXEY	2		
E_XAXEZ	2		
E_XBATT_LOW	2		
E_XBODYLED	2		
E_XBT_RX	2		
E_XBT_TX	2		
E_XFRONT_LED	2		
E_XFSYNC	2		
E_XLED3	2		
E_XLED5	2		
E_XMCLK	2		

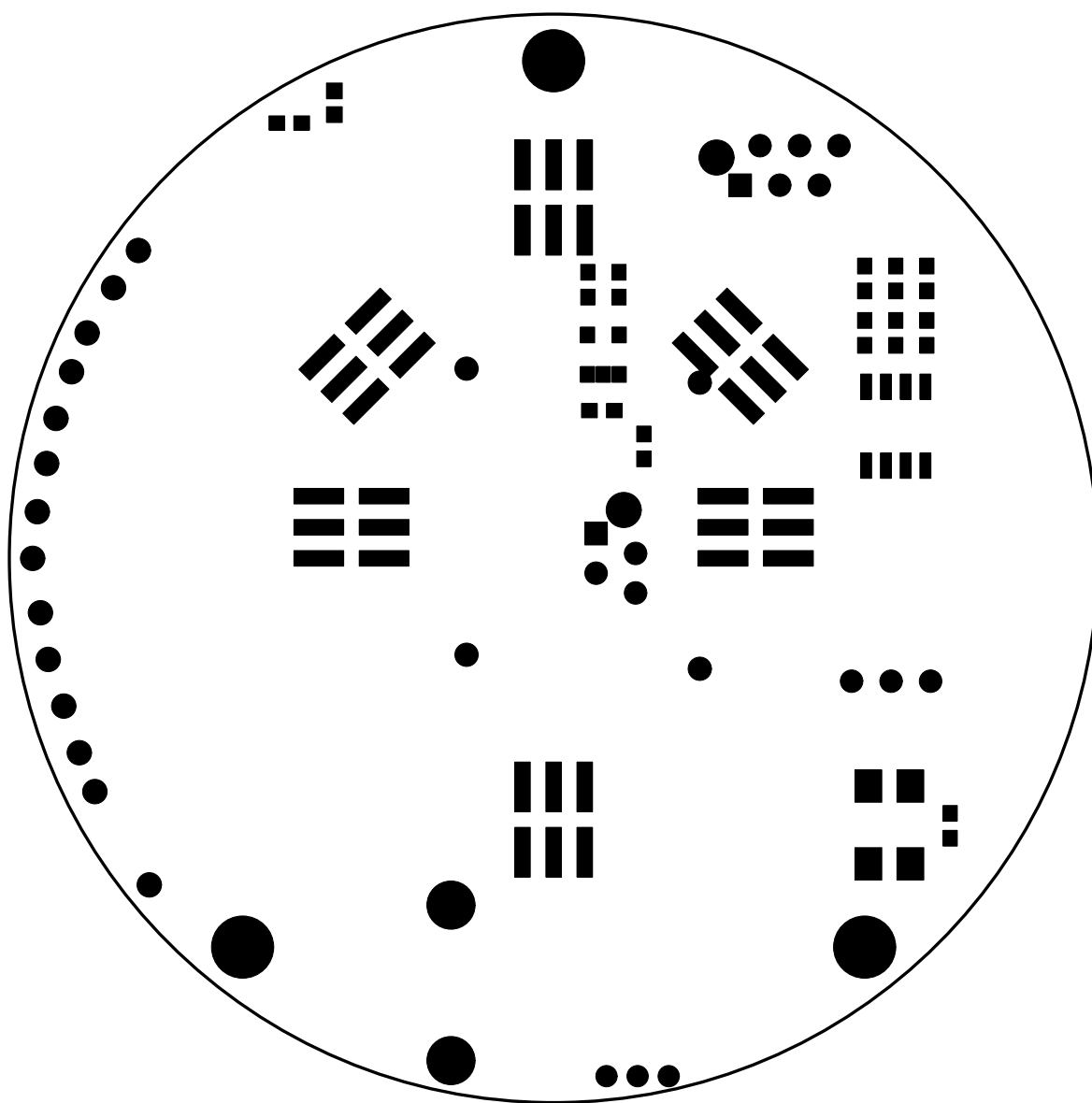


DRILL CHART			
FIGURE	SIZE	PLATED	QTY
•	0.401	PLATED	100
▪	0.711	PLATED	3
•	0.787	PLATED	13
▪	0.889	PLATED	14
■	1.499	PLATED	2
■	1.7	PLATED	2
●	2.2	PLATED	3
•	0.9	NOT PLATED	4

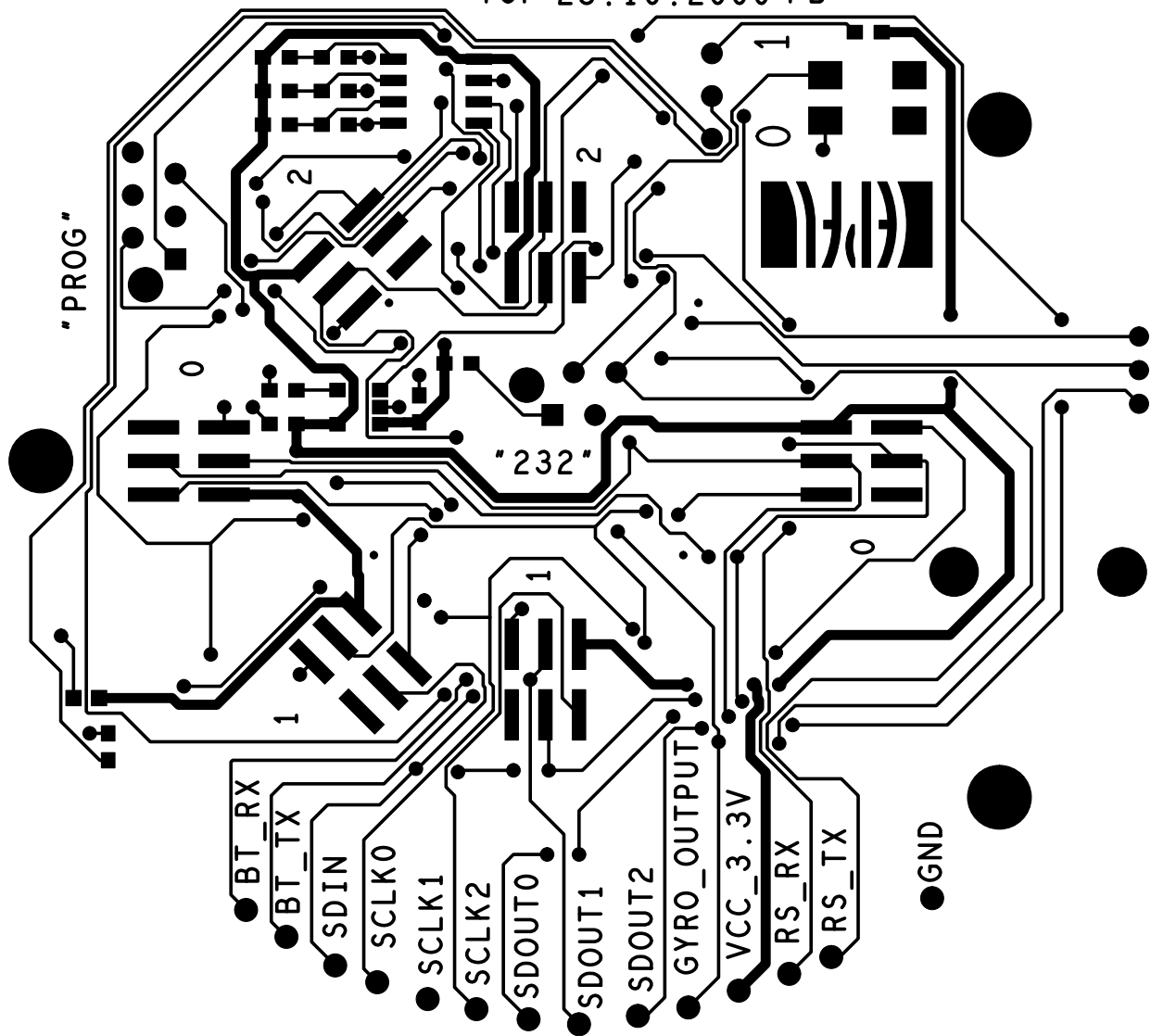


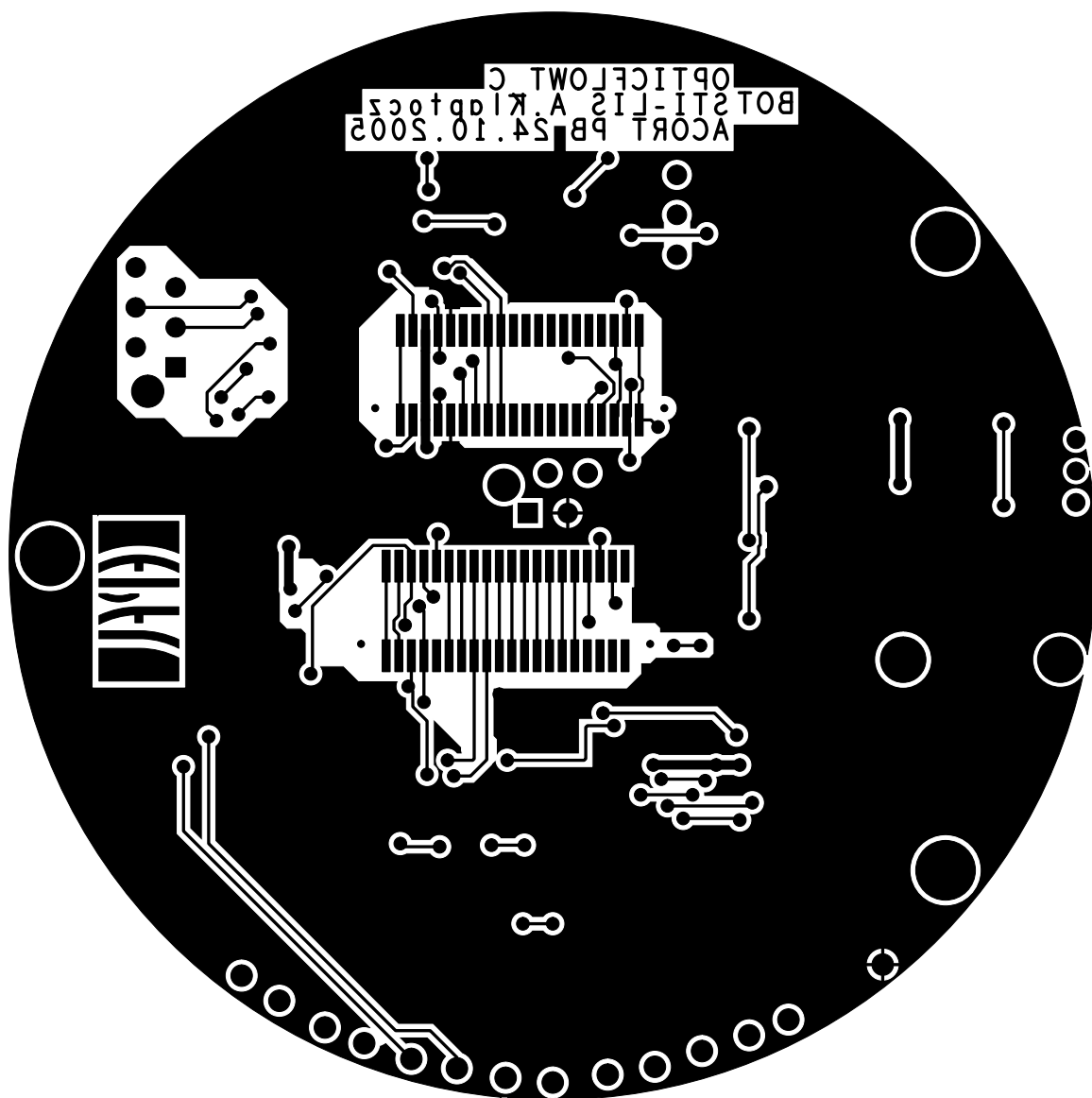


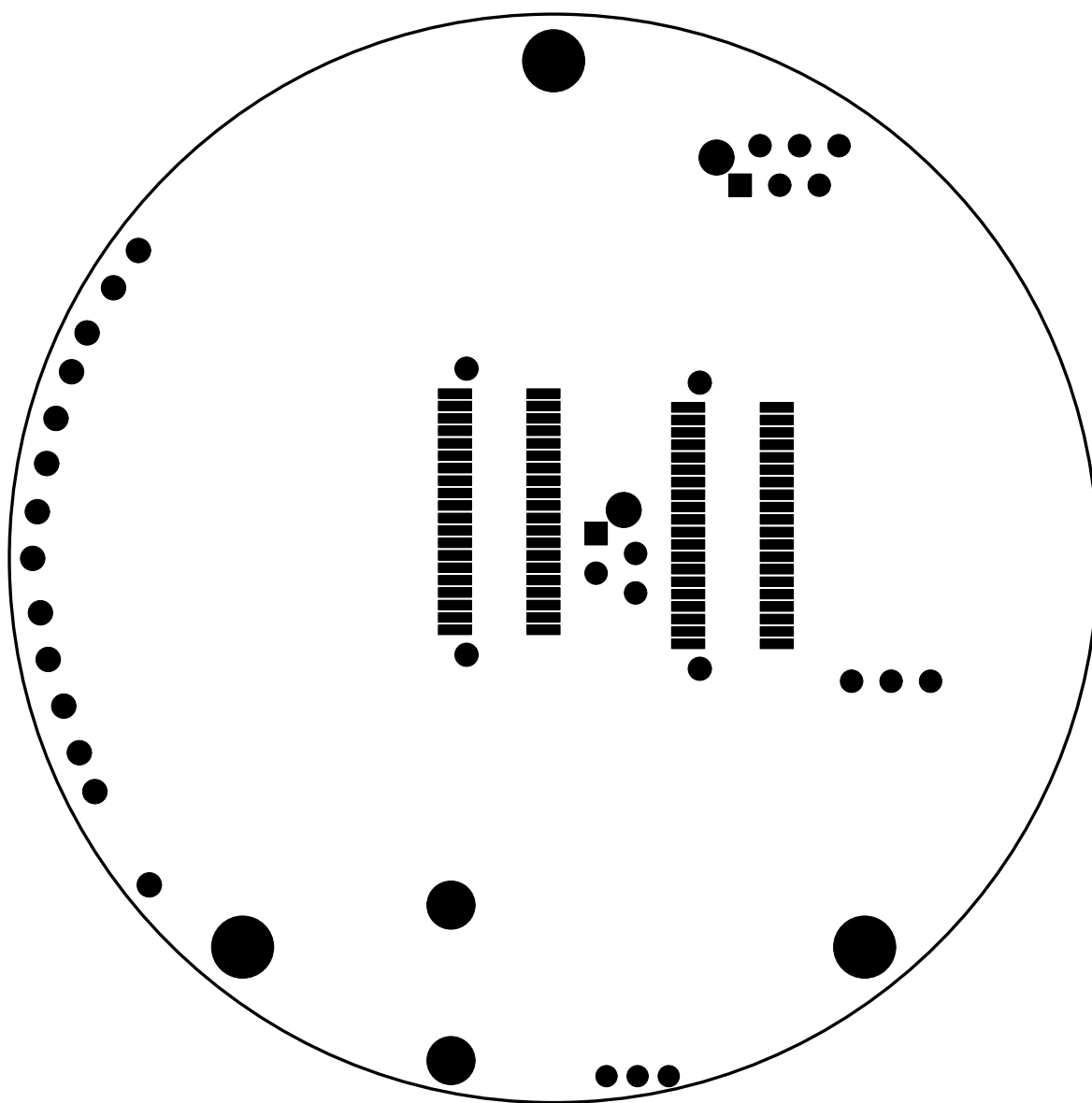


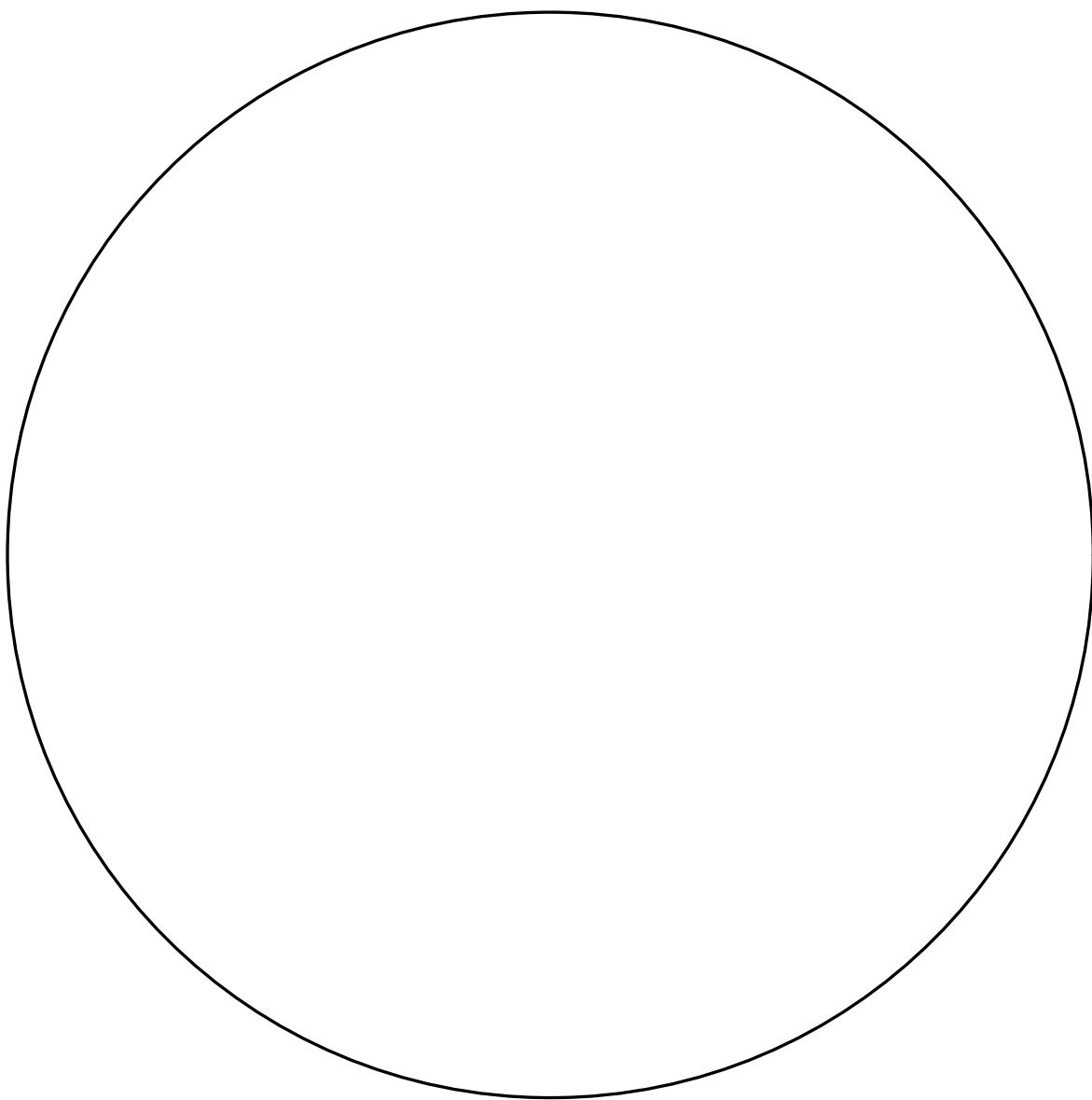


OPTICFLOWT_C
STI-LIS A.Klapfocz
TOP 25.10.2006 PB









Component Report OPTICFLOWT_C

opticflow_gloss

Mon Oct 30 18:04:53 MET 2006

Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
C11	0603	1U	0603	3.100	9.500	270.000	NO	
C12	0603	10N	0603	4.200	17.600	0.000	NO	
C13	0603	2U2	0603	2.200	17.600	0.000	NO	
D1	PG1111C	PG1111C	SMDLED_MINI	-14.100	29.300	0.000	NO	
J1	CO40		SAMBTE40_SMD_08MM	11.500	2.100	90.000	YES	
J2	CO40		SAMBTE40_SMD_08MM	-3.500	3.000	90.000	YES	
J3	CO6		MOLEX6FSMD_2MM	0.000	23.200	0.000	NO	
J4	CO6		MOLEX6FSMD_2MM	-13.000	2.000	90.000	NO	
J5	CO6		MOLEX6FSMD_2MM	13.000	2.000	270.000	NO	
J6	CO6		MOLEX6FSMD_2MM	0.000	-16.800	180.000	NO	
J7	CO6		MOLEX6FSMD_2MM	-12.000	13.000	135.000	NO	
J8	CO6		MOLEX6FSMD_2MM	12.000	13.000	225.000	NO	
J9	CO4		MM4	2.730	1.587	270.000	NO	
J10	CO6		MM6	12.000	24.000	0.000	NO	
J11	CO3		SIL3_2MM	7.400	-33.300	180.000	NO	
R01	R	100K	0603	24.000	14.500	180.000	NO	
R1	R	0	0603	5.800	7.200	0.000	NO	
R02	R	100K	0603	22.000	14.500	180.000	NO	
R03	R	100K	0603	20.000	14.500	180.000	NO	
R3	R	10K	0603	25.500	-17.200	0.000	NO	
R04	R	100K	0603	24.000	18.000	180.000	NO	
R4	R	10K	0603	-17.000	28.000	90.000	NO	
R05	R	100K	0603	22.000	18.000	180.000	NO	
R06	R	100K	0603	20.000	18.000	180.000	NO	
SW1	SWPOU		POUSMD4	21.590	-17.145	0.000	NO	
SW2	SWCOM		SWGLIS_MINI	21.700	-7.900	270.000	NO	
TP1	TP		TP5435	-30.000	14.500	0.000	NO	
TP2	TP		TP5435	-31.000	12.000	0.000	NO	
TP3	TP		TP5435	-32.000	9.000	0.000	NO	
TP4	TP		TP5435	-32.600	6.100	0.000	NO	
TP5	TP		TP5435	-33.200	3.000	0.000	NO	
TP6	TP		TP5435	-33.500	0.000	0.000	NO	
TP7	TP		TP5435	-33.000	-3.500	0.000	NO	
TP8	TP		TP5435	-32.500	-6.500	0.000	NO	
TP9	TP		TP5435	-31.500	-9.500	0.000	NO	
TP10	TP		TP5435	-30.500	-12.500	0.000	NO	
TP11	TP		TP5435	-29.500	-15.000	0.000	NO	
TP12	TP		TP5435	-26.700	19.800	0.000	NO	
TP13	TP		TP5435	-28.300	17.400	0.000	NO	
TP14	TP		TP5435	-26.000	-21.000	0.000	NO	
U1	24LC014SN		SO8	22.000	8.500	270.000	NO	
U3	LP2985IBPX	LP2985IBPX-3.3	SOT23_5G	3.200	13.100	90.000	NO	
V1	VIS_METAL		VIS1_6	-6.600	-22.300	0.000	NO	
V2	VIS_METAL		VIS1_6	-6.600	-32.300	0.000	NO	

Total Component count 44

BOM Report OPTICFLOWT_C

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Device	Package	Value	Nb	Reference Designators					Remark
0603-10N	0603	10N	1	C12					
0603-1U	0603	1U	1	C11					
0603-2U2	0603	2U2	1	C13					
24LC014SN	SO8		1	U1					
CO3-SIL3_2MM	SIL3_2MM		1	J11					
CO4-14	MM4		1	J9					
CO40-SAMBTE40_SMD	SAMBTE40_SMD_08MM		2	J1	J2				
CO6-MM6	MM6		1	J10					
CO6-MOLEX6FSMD_2MM	MOLEX6FSMD_2MM		6	J3 J8	J4	J5	J6	J7	
LP2985IBPX-3.3-OBSOL	SOT23_5G	LP2985IBPX-3.3	1	U3					
PG1111C	SMDLED_MINI	PG1111C	1	D1					
R-19A-0	0603	0	1	R1					
R-19A-100K	0603	100K	6	R01 R06	R02	R03	R04	R05	
R-19A-10K	0603	10K	2	R3	R4				
SWCOM-SWGLIS_MINI	SWGLIS_MINI		1	SW2					
SWPOU-POUSMD4-BOURNS	POUSMD4		1	SW1					
TP-2	TP5435		14	TP1 TP6 TP11	TP2 TP7 TP12	TP3 TP8 TP13	TP4 TP9 TP14	TP5 TP10	
VIS_METAL-M1.6	VIS1_6		2	V1	V2				

Total Component count 44

NC Pins Report OPTICFLOWT_C

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Ref Des	Device	Nb	Not Connected Pins		Remark
J2	CO40-SAMBTE40_SMD	2	39	40	
J3	CO6-MOLEX6FSMD_2MM	1	5		
J4	CO6-MOLEX6FSMD_2MM	1	5		
J5	CO6-MOLEX6FSMD_2MM	1	5		
J6	CO6-MOLEX6FSMD_2MM	1	5		
J7	CO6-MOLEX6FSMD_2MM	1	5		
J8	CO6-MOLEX6FSMD_2MM	1	5		
J10	CO6-MM6	1	6		
V1	VIS_METAL-M1.6	1	1		
V2	VIS_METAL-M1.6	1	1		

Total count 11

Power Pins Report OPTICFLOWT_C

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Mon Oct 30 18:04:55 MET 2006

Ref Des	Device	Name	Power Pins		Remark
D1	PG1111C	GND	1		
		VCC	2		
J1	CO40-SAMBTE40_SMD	GND	9	10	
		GNDA	39	40	
		GNDC	15	16	
		VCCA	35	36	
		VCCB	5	6	
		VCCC	17	18	
J3	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J4	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J5	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J6	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J7	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J8	CO6-MOLEX6FSMD_2MM	GND	6		
		VCC	2		
J9	CO4-14	GND	3		
J10	CO6-MM6	GNDC	3		
		VCCC	2		
J11	CO3-SIL3_2MM	GNDA	2		
		VCCA	1		
SW1	SWPOU-POUSMD4-BOURNS	GND	1		
TP9	TP-2	VCC	1		
TP14	TP-2	GND	1		
U1	24LC014SN	GND	4	7	
		VCC	8		
U3	LP2985IBPX-3.3-OBSOL	GND	2		
		VCC	5		
		VCCB	1		

Total count 16

Single Node Nets Report OPTICFLOWT_C

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Netname	Node	Device	Remark
E_CAM_CLK	J1.19	CO40-SAMBTE40_SMD	
E_CAM_RESET	J1.21	CO40-SAMBTE40_SMD	
E_HREF	J1.25	CO40-SAMBTE40_SMD	
E_MIC3	J1.27	CO40-SAMBTE40_SMD	
E_PCLK	J1.29	CO40-SAMBTE40_SMD	
E_SPK+	J1.12	CO40-SAMBTE40_SMD	
E_SPK-	J1.14	CO40-SAMBTE40_SMD	
E_VSYNC	J1.23	CO40-SAMBTE40_SMD	
E_XAXEX	J2.33	CO40-SAMBTE40_SMD	
E_XAXEY	J2.35	CO40-SAMBTE40_SMD	
E_XAXEZ	J2.37	CO40-SAMBTE40_SMD	
E_XBODYLED	J2.9	CO40-SAMBTE40_SMD	
E_Y0	J1.20	CO40-SAMBTE40_SMD	
E_Y1	J1.22	CO40-SAMBTE40_SMD	
E_Y2	J1.24	CO40-SAMBTE40_SMD	
E_Y3	J1.26	CO40-SAMBTE40_SMD	
E_Y4	J1.28	CO40-SAMBTE40_SMD	
E_Y5	J1.30	CO40-SAMBTE40_SMD	
E_Y6	J1.32	CO40-SAMBTE40_SMD	
E_Y7	J1.34	CO40-SAMBTE40_SMD	

Total Nets count 20