DRAWING GENERATED BY SPEEDE VERSION 2010.1j [GES/ECAD Support], [BUILD: 01-FEB-2010]

	PARTNUMBER	DESCRIPTION	REV
PCB	28239687	CIR BD-MAIN, RMID	A
SCH	24090545	SCH DIAG-MAIN, RMID	A

FINDERS	PARTNUMBER	DESCRIPTION	ASM REV	LAST AFFECTED CHART REV
1.	28239683	CIR BD ASM-CMP,MID	G	H
	28239684	CIR BD S/A-HP1,MID	B	F
	28239685	CIR BD S/A-SM1,MID	G	H
	28239686	CIR BD S/A-SM2,MID	A	A
2.	28239690	CIR BD ASM-CMP,BT	G	H
	28239691	CIR BD S/A-HP1,BT	B	F
	28239692	CIR BD S/A-SM1,BT	G	H
	28239693	CIR BD S/A-SM2,BT	A	A
3.	28239695	CIR BD ASM-CMP,XM	G	H
	28239696	CIR BD S/A-HP1,XM	B	F
	28239697	CIR BD S/A-SM1,XM	G	H
	28239698	CIR BD S/A-SM2,XM	A	A
4.	28239700	CIR BD ASM-CMP,SR	F	G
	28239701	CIR BD S/A-HP1,SR	B	F
	28239702	CIR BD S/A-SM1,SR	F	G
	28239703	CIR BD S/A-SM2,SR	A	A

DESIGNATED CHARACTERISTICS			QCI	KPC
0		LAST NO. USED	FIT/FUNCTION CI	FF
0	0	TOTAL ON DRAWING		
KPC NO	QCI NO	K OR Q IN SYMBOL INDICATES CHECKPOINT	SAFETY/COMPLIANCE	SC

TYPE	DESCRIPTION	RATIONALE	ZONE	SH	PTS

DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
13NO09		A				RELEASED-PROD	10805 62928			
15FE10		B				DELETED ITEM Z6 FOR S/A'S 28239685, 28239692, 28239697 & 28239702	10805 65704	MH	TBL	CAG
21MY10		C				ADDED R7 TO 28239697. DELETED R258 FROM 28239685, 28239692 & 28239697. U4 & U21 WERE P/N 09403020.	10805 69416	MH	TBL	CAG
12JL10		D				ITEMS Q14, Q24 & Q25 WERE P/N 28070783.	10805 70780	MH	TBL	CAG
06MY11		E				ADDED CIR BD ASMS 28322134 & 28322138	10805 79503	MH	CAG	TBL
09MY11		F				ITEM U5 WAS 28241899 FOR S/A'S 28239685, 28239692 & 28239697, U5 WAS 28241905 FOR S/A 28239702	10805 80218	MH	HL	CAG
12JL11		G				DELETED CIR BD ASMS 28322134 & 28322138, ITEM U5 WAS 28326879 FOR S/A'S 28239685, 28239692 & 28239697, U5 WAS 28326882 FOR S/A 28239702.	10805 81588	MH	HL	CAG
23AU11		H				ITEM U5 WAS 28241899 FOR S/A'S 28239685, 28239692 & 28239697	10805 82853	MH	HL	CAG

FIRST USED
28239670
REFERENCE
24090363
REPLACES #
N/A
REPLACED BY
N/A

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

ZERO PLACE DECIMALS N/A
ONE PLACE DECIMALS N/A
TWO PLACE DECIMALS N/A

ANGLES N/A DEGREE

REFERENCE

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

CAD MG

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		DATE
DR	FELIPE MOLINA	13NO09
APVD1	RODOLFO SALINAS	13NO09
APVD2		
APVD3		
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER 10949001

MATERIAL
N/A

DRAWING NAME
CHART-CIR BD, MAIN

DRAWING NUMBER
24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		1 OF 17		H	

MG/ECT3

*EXCEPTIONS TO BASE SCHEMATIC 24090545 REV A

REV	G	G	G	F				ALTERNATE	OPTIONAL	NOT INSTALLED
CBA	28239683	28239690	28239695	28239700	REF DES	PART NUMBER	DESCRIPTION / NOTE			
X	X	X	X		C6		NOT INSTALLED			X
X	X	X	X		C7		NOT INSTALLED			X
X					C21		NOT INSTALLED			X
X					C30		NOT INSTALLED			X
X					C50		NOT INSTALLED			X
X					C67		NOT INSTALLED			X
X	X	X	X		C111		NOT INSTALLED			X
X	X	X	X		C112		NOT INSTALLED			X
X	X	X	X		C113		NOT INSTALLED			X
X	X	X	X		C114		NOT INSTALLED			X
X	X	X	X		C115		NOT INSTALLED			X
X	X	X	X		C116		NOT INSTALLED			X
X	X	X	X		C121		NOT INSTALLED			X
X	X	X	X		C124		NOT INSTALLED			X
X	X	X	X		C125		NOT INSTALLED			X
X					C129		NOT INSTALLED			X
X					C135		NOT INSTALLED			X
X	X	X	X		C160		NOT INSTALLED			X
X	X	X			C168		NOT INSTALLED			X
X	X	X			C169		NOT INSTALLED			X
X	X	X			C170		NOT INSTALLED			X
X	X	X	X		C171		NOT INSTALLED			X
X	X	X	X		C176		NOT INSTALLED			X
X	X	X	X		C186		NOT INSTALLED			X
X	X	X	X		C187		NOT INSTALLED			X
X	X	X	X		C190		NOT INSTALLED			X
X	X	X	X		C199		NOT INSTALLED			X
X	X	X	X		C206		NOT INSTALLED			X
X	X	X	X		C212		NOT INSTALLED			X
X					C221		NOT INSTALLED			X
X					C222		NOT INSTALLED			X
X	X	X	X		C223		NOT INSTALLED			X
X	X	X	X		C234		NOT INSTALLED			X
X	X	X	X		C244		NOT INSTALLED			X
X	X	X	X		C246		NOT INSTALLED			X
X	X	X	X		C250		NOT INSTALLED			X
X	X	X	X		C256		NOT INSTALLED			X
X	X	X	X		C276		NOT INSTALLED			X
X	X	X	X		C281		NOT INSTALLED			X
X	X	X	X		C282		NOT INSTALLED			X
X	X	X	X		C315		NOT INSTALLED			X
X	X	X	X		C316		NOT INSTALLED			X
X	X	X	X		C327		NOT INSTALLED			X
X	X	X	X		C328		NOT INSTALLED			X
X	X	X	X		C329		NOT INSTALLED			X
X	X	X	X		C330		NOT INSTALLED			X
X	X	X	X		C331		NOT INSTALLED			X
X	X	X			C332	16230822	RES-SM,0 OHM 0.1W	X		
			X		C332		NOT INSTALLED			X
X	X	X	X		C339		NOT INSTALLED			X
X	X	X	X		C340		NOT INSTALLED			X
X	X	X	X		C341		NOT INSTALLED			X
X	X	X			C342	16230822	RES-SM,0 OHM 0.1W	X		
			X		C342		NOT INSTALLED			X
X	X	X	X		C344		NOT INSTALLED			X
X	X	X	X		C345		NOT INSTALLED			X
X	X	X	X		C351		NOT INSTALLED			X
X	X	X	X		C352		NOT INSTALLED			X
X	X	X	X		C365		NOT INSTALLED			X
X	X	X	X		C366		NOT INSTALLED			X
X	X	X	X		C381		NOT INSTALLED			X
X					C394		NOT INSTALLED			X
X					C418		NOT INSTALLED			X
X	X	X	X		C420		NOT INSTALLED			X
X					C425		NOT INSTALLED			X
X					C426		NOT INSTALLED			X
X	X	X	X		C427		NOT INSTALLED			X
X					C428		NOT INSTALLED			X
X					C429		NOT INSTALLED			X
X					C430		NOT INSTALLED			X
X					C431		NOT INSTALLED			X
X					C432		NOT INSTALLED			X
X					C433		NOT INSTALLED			X
X					C434		NOT INSTALLED			X
X					C435		NOT INSTALLED			X
X	X	X	X		C436		NOT INSTALLED			X
X	X	X	X		C437		NOT INSTALLED			X
X					C438		NOT INSTALLED			X

*EXCEPTIONS TO BASE SCHEMATIC 24090545 REV A

REV	G	G	G	F				ALTERNATE	OPTIONAL	NOT INSTALLED
CBA	28239683	28239690	28239695	28239700	REF DES	PART NUMBER	DESCRIPTION / NOTE			
X					C439		NOT INSTALLED			X
X					C440		NOT INSTALLED			X
X					C441		NOT INSTALLED			X
X	X	X	X		C443		NOT INSTALLED			X
X	X	X	X		C444		NOT INSTALLED			X
X	X	X	X		C445		NOT INSTALLED			X
X	X	X	X		C450		NOT INSTALLED			X
X	X	X	X		C453		NOT INSTALLED			X
X					CR4		NOT INSTALLED			X
X	X	X	X		CR25		NOT INSTALLED			X
X	X	X			CR30		NOT INSTALLED			X
X	X	X			CR31		NOT INSTALLED			X
X	X	X			CR32		NOT INSTALLED			X
X	X	X	X		CR37		NOT INSTALLED			X
X	X	X	X		CR38		NOT INSTALLED			X
X	X	X	X		CR40		NOT INSTALLED			X
X	X	X	X		CR41		NOT INSTALLED			X
X	X	X	X		CR43		NOT INSTALLED			X
X	X	X	X		CR44		NOT INSTALLED			X
X	X	X	X		CR45		NOT INSTALLED			X
X	X	X	X		CR47		NOT INSTALLED			X
X	X	X	X		CR48		NOT INSTALLED			X
X	X	X	X		CR49		NOT INSTALLED			X
X	X	X	X		CR50		NOT INSTALLED			X
X					CR51		NOT INSTALLED			X
X					E19		NOT INSTALLED			X
X	X			X	E21		NOT INSTALLED			X
X	X				E22		NOT INSTALLED			X
X	X				J2	09400971	HEADER-18POS,F,V,1M	X	X	
X	X	X	X		J4		NOT INSTALLED			X
X	X	X	X		J5		NOT INSTALLED			X
X	X	X	X		L17		NOT INSTALLED			X
X	X	X	X		MC1	28116908	BRACKET-QBA	X		
X	X	X	X		P1	28132545	SOCKET ASM-ANTENNA	X	X	
X					P2		NOT INSTALLED			X
X	X	X			Q10		NOT INSTALLED			X
X	X	X	X		Q11	16057208	XSTR-NPN,SOT23	X		
X	X	X	X		Q12	16057208	XSTR-NPN,SOT23	X		
X	X	X	X		Q16		NOT INSTALLED			X
X					R2		NOT INSTALLED			X
X					R3		NOT INSTALLED			X
X					R4		NOT INSTALLED			X
X	X	X	X		R6		NOT INSTALLED			X
X	X		X		R7		NOT INSTALLED			X
			X		R9		NOT INSTALLED			X
X	X	X	X		R13		NOT INSTALLED			X
			X		R14		NOT INSTALLED			X
X	X	X	X		R15		NOT INSTALLED			X
X					R16		NOT INSTALLED			X
X	X	X	X		R17		NOT INSTALLED			X
X	X	X	X		R19		NOT INSTALLED			X
X	X	X	X		R106		NOT INSTALLED			X
X	X	X			R108		NOT INSTALLED			X
X	X	X	X		R124		NOT INSTALLED			X
X	X	X	X		R129		NOT INSTALLED			X
X	X	X	X		R130		NOT INSTALLED			X
X					R134		NOT INSTALLED			X
X	X	X	X		R135		NOT INSTALLED			X
X	X	X	X		R136		NOT INSTALLED			X
X					R138		NOT INSTALLED			X
X					R139		NOT INSTALLED			X
X					R140		NOT INSTALLED			X
X					R143		NOT INSTALLED			X
X					R145		NOT INSTALLED			X
X					R148		NOT INSTALLED			X
X	X	X			R208		NOT INSTALLED			X
X	X				R209		NOT INSTALLED			X
				X	R209	28062423	FERRITE-600OHM,0603	X		X
X	X	X			R210		NOT INSTALLED			X
X	X	X			R212		NOT INSTALLED			X
X	X	X			R213		NOT INSTALLED			X
X	X	X			R214		NOT INSTALLED			X
X	X	X			R215		NOT INSTALLED			X
X	X	X			R216		NOT INSTALLED			X
X	X			X	R217		NOT INSTALLED			X
X	X	X			R218		NOT INSTALLED			X
X	X	X			R219		NOT INSTALLED			X
X	X	X			R220		NOT INSTALLED			X

*EXCEPTIONS TO BASE SCHEMATIC 24090545 REV A

REV	G	G	G	F				ALTERNATE	OPTIONAL	NOT INSTALLED
CBA	28239683	28239690	28239695	28239700	REF DES	PART NUMBER	DESCRIPTION / NOTE			
X	X	X			R221		NOT INSTALLED			X
X	X			X	R222		NOT INSTALLED			X
X	X	X			R223		NOT INSTALLED			X
X	X	X			R224		NOT INSTALLED			X
X	X	X			R225		NOT INSTALLED			X
X					R226		NOT INSTALLED			X
X					R227		NOT INSTALLED			X
X	X	X	X		R245		NOT INSTALLED			X
X	X	X			R258		NOT INSTALLED			X
X					R267		NOT INSTALLED			X
X	X			X	R268		NOT INSTALLED			X
X	X			X	R269		NOT INSTALLED			X
X	X				R270		NOT INSTALLED			X
				X	R270	16230822	RES-SM,0 OHM 0.1W	X		
X	X				R271		NOT INSTALLED			X
				X	R271	16230822	RES-SM,0 OHM 0.1W	X		
X	X			X	R272		NOT INSTALLED			X
X	X	X	X		R274		NOT INSTALLED			X
X	X	X	X		R312		NOT INSTALLED			X
X	X	X	X		R313		NOT INSTALLED			X
X	X	X	X		R314		NOT INSTALLED			X
X	X	X	X		R315		NOT INSTALLED			X
X	X	X	X		R317		NOT INSTALLED			X
X	X	X	X		R318		NOT INSTALLED			X
X	X	X	X		R320		NOT INSTALLED			X
X	X	X	X		R321		NOT INSTALLED			X
X	X	X	X		R374		NOT INSTALLED			X
X	X	X	X		R376		NOT INSTALLED			X
X	X	X	X		R377		NOT INSTALLED			X
X					R389		NOT INSTALLED			X
X					R390		NOT INSTALLED			X
X					R392		NOT INSTALLED			X
X					R394		NOT INSTALLED			X
X					R395		NOT INSTALLED			X
X					R396		NOT INSTALLED			X
X	X	X	X		R406		NOT INSTALLED			X
X	X	X	X		U4	28189585	IC-SDRAM, IS45S16100E	X		
X	X	X			U5	28336324	IC-FLASH, M29W160EB70	X		
			X		U5	28241905	IC-16M,LV80N,TS,125C,	X		
X	X	X	X		U9		NOT INSTALLED			X
X					U10		NOT INSTALLED			X
X	X				U13		NOT INSTALLED			X
		X			U13	28245855	MODULE ASM-XM/33/NA	X		
			X		U13	28237814	MODULE ASM-SIR/3.3V/P	X		
X	X	X			U14		NOT INSTALLED			X
X	X	X	X		U20	28206322	IC-ASIC,ACCORDO,STA10	X		
X	X	X	X		U21	28189585	IC-SDRAM, IS45S16100E	X		
X	X	X	X		U22	28087912	IC-AUTHENTICATION	X		
X	X	X	X		U24	28022490	IC-M25P40V,SERFLASH,L	X		X
X					U25		NOT INSTALLED			X
X					U26		NOT INSTALLED			X
X	X	X	X		WT1		NOT INSTALLED			X
X	X	X	X		WT2		NOT INSTALLED			X
X	X	X	X		WT3		NOT INSTALLED			X
X	X	X	X		Z6		NOT INSTALLED			X

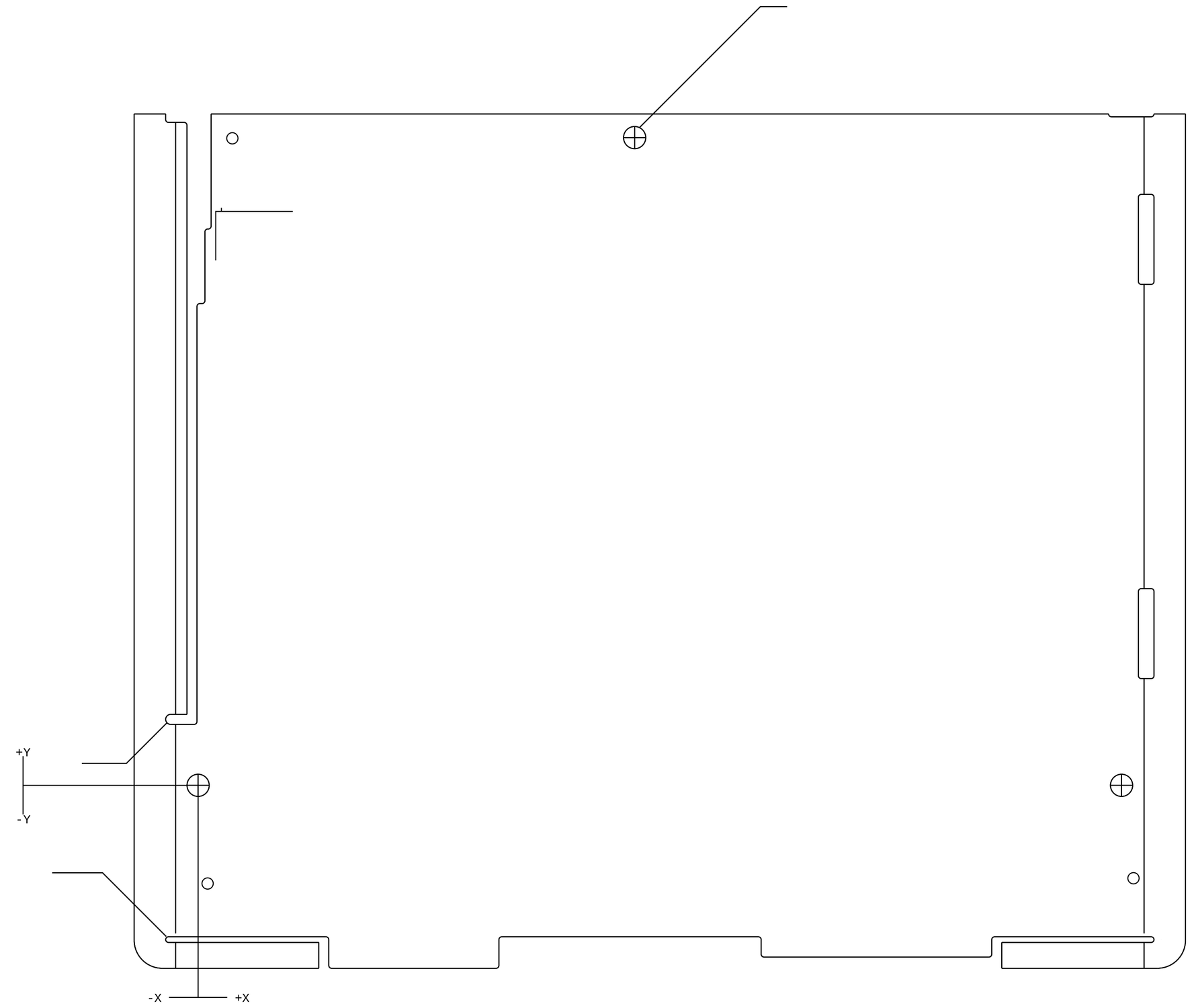
LEGEND:

EXCEPTION = X	NOT AN EXCEPTION = (BLANK)

*NOTE: The Base Schematic is a representation of circuitry required by all assemblies. It does not represent any specific Circuit Board Assembly

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		2 OF 17		H	



CIR BD S/A-SM1
VIEWED FROM SIDE 1
HIDDEN LINES NOT SHOWN

1. SECURE SMCS TO THE SIDE 1 OF THE CIRCUIT BOARD USING SOLDER PASTE M-10378-51 OR OPT M-10378-060, PER PROCESS SPECIFICATION.
2. DEGREES OF ROTATION: 0, 90, 180, AND 270 REFERS TO DEGREES ROTATION OF COMPONENTS. ORIENTATION OF COMPONENTS IS TO BE PER THE STANDARD ZERO DEGREE ROTATION DOCUMENT.
3. THIS ASSEMBLY IS ELECTROSTATIC DISCHARGE (ESD) SENSITIVE.
4. THE FOLLOWING ARE LOCATED WITHIN GES: MENTOR NEUTRAL FILE (MENV#R#) UNDER THE CIRCUIT BOARD PART NUMBER AND THE CHIP X-YS (S1RV#R#, S1DV#R#) ARE LOCATED UNDER THE ASSEMBLY NUMBER.
5. THE ORIGIN OF SMT COMPONENTS AND FLIP CHIP COMPONENTS WILL BE THE CENTER OF THE PHYSICAL BODY.
6. PLACE OPTIONAL BAR CODE LABEL P/N 28013150 ON SIDE 1 IN AREA INDICATED OR OTHER LOCATION INDICATED BY PROCESS SPECIFICATION OR WORK INSTRUCTION.

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		3 OF 17		H	

REV	H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
	A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY 28239685	28239692	28239697	28239702	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	FID2	LOCAL_FID	NO PAIC DESCRIPTION	FID_L
1	1	1	1	FID3	LOCAL_FID	NO PAIC DESCRIPTION	FID_L
1	1	1	1	FID6	LOCAL_FID	NO PAIC DESCRIPTION	FID_L
1	1	1	1	GF2	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	GF5	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF7	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF12	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF13	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	C2	09399841	CAP-SM,270PF,5% 50V	(sm0402)
1	1	1	1	C3	09398652	CAP-SM,0603,X7R,0.0	(sm0603)
1	1	1	1	C4	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C5	09398577	CAP-SM,0.22UF,0603	(sm0603)
-	-	-	-	C6	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C7	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C8	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C9	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C10	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C11	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C12	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C13	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C15	09399839	CAP-SM,180PF,5% 50V	(sm0402)
1	1	1	1	C16	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C17	09401902	CAP-EL,SM,470UF +/-20	(smadp12.00x10.5...)
1	1	1	1	C18	09395932	CAP-SM,EL,47UF,16V	(smadp07.80x06.8...)
1	1	1	1	C19	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C20	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C23	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C24	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C25	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C26	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C28	09399833	CAP-SM,56PF,5% 50V	(sm0402)
1	1	1	1	C29	09390230	CAP-SM,0603,1000PF	(sm0603)
-	1	1	1	C30	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C31	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C32	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C33	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C34	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C35	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C37	09399833	CAP-SM,56PF,5% 50V	(sm0402)
1	1	1	1	C39	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C40	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C41	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C42	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C43	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C44	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C45	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C46	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C47	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C48	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C49	16167452	CAP-SM,0603,100PF	(sm0603)
-	1	1	1	C50	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C51	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C52	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C53	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C54	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C55	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C56	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C57	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C64	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C66	09396905	CAP-SM,1000PF	(sm0402)
-	1	1	1	C67	28025012	CAP-SM, 10PF, 50V, 5%	(sm0402)
1	1	1	1	C78	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C79	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C80	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C81	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C82	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C83	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C86	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C95	09399827	CAP-SM,18PF,5% 50V	(sm0402)
1	1	1	1	C96	09399827	CAP-SM,18PF,5% 50V	(sm0402)
1	1	1	1	C100	16167504	CAP-SM,0603,82PF	(sm0603)
1	1	1	1	C101	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C104	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C105	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C107	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C108	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C113	16167504	CAP-SM,0603,82PF	(sm0603)

REV	H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
	A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY 28239685	28239692	28239697	28239702	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
-	-	-	-	C114	16167504	CAP-SM,0603,82PF	(sm0603)
-	-	-	-	C115	16167504	CAP-SM,0603,82PF	(sm0603)
-	-	-	-	C116	16167504	CAP-SM,0603,82PF	(sm0603)
1	1	1	1	C120	09399019	CAP-SM,TA,47UF,10%	(tantC)
1	1	1	1	C122	09401902	CAP-EL,SM,470UF +/-20	(smadp12.00x10.5...)
1	1	1	1	C123	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C127	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C128	09398577	CAP-SM,0.22UF,0603	(sm0603)
-	1	1	1	C129	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C130	09398651	CAP-SM,0603,.022UF	(sm0603)
1	1	1	1	C131	09398664	CAP-SM,0603,NPO,100	(sm0603)
1	1	1	1	C132	09398660	CAP-SM,0603,X7R,470	(sm0603)
1	1	1	1	C133	09398660	CAP-SM,0603,X7R,470	(sm0603)
1	1	1	1	C134	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C136	09398651	CAP-SM,0603,.022UF	(sm0603)
1	1	1	1	C138	09399839	CAP-SM,180PF,5% 50V	(sm0402)
1	1	1	1	C140	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C141	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C142	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C143	09398651	CAP-SM,0603,.022UF	(sm0603)
1	1	1	1	C144	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C145	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C146	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C148	09395932	CAP-SM,EL,47UF,16V	(smadp07.80x06.8...)
1	1	1	1	C149	09398651	CAP-SM,0603,.022UF	(sm0603)
1	1	1	1	C150	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C151	16167493	CAP-SM,0603,10PF	(sm0603)
1	1	1	1	C153	09399825	CAP-SM,12PF,5% 50V	(sm0402)
1	1	1	1	C154	16167493	CAP-SM,0603,10PF	(sm0603)
1	1	1	1	C155	09397241	CAP-SM,18PF,0603	(sm0603)
1	1	1	1	C156	09399823	CAP-SM,8.2PF,+/-.50	(sm0402)
1	1	1	1	C157	09402726	CAP-SM,3900PF,50V,1	(sm0402)
1	1	1	1	C158	09398664	CAP-SM,0603,NPO,100	(sm0603)
1	1	1	1	C159	09398664	CAP-SM,0603,NPO,100	(sm0603)
-	-	-	-	C160	09399816	CAP-SM,2.2PF,+/-.25	(sm0402)
1	1	1	1	C161	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C162	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C163	09399841	CAP-SM,270PF,5% 50V	(sm0402)
1	1	1	1	C164	09398664	CAP-SM,0603,NPO,100	(sm0603)
1	1	1	1	C165	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
-	-	-	1	C168	09398671	CAP-SM,0805,X7R,0.4	(sm0805t)
-	-	-	1	C169	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
-	-	-	1	C170	09399019	CAP-SM,TA,47UF,10%	(tantC)
-	-	-	-	C171	16167497	CAP-SM,0603,22PF	(sm0603)
1	1	1	1	C172	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C173	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C174	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C175	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C176	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C177	09399827	CAP-SM,18PF,5% 50V	(sm0402)
1	1	1	1	C178	16167493	CAP-SM,0603,10PF	(sm0603)
1	1	1	1	C179	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C180	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C181	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C182	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C183	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C184	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C185	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
-	-	-	-	C186	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C187	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C188	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C189	09399016	CAP-SM,TA,10UF,10%	(tantA)
-	-	-	-	C190	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C191	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C192	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C193	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C194	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C195	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C196	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C197	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C198	16167452	CAP-SM,0603,100PF	(sm0603)
-	-	-	-	C199	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C200	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C201	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C202	09393692	CAP-SM,ELR,100UF,10V	(smadp07.80x06.8...)
1	1	1	1	C203	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C204	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		4 OF 17		H	

H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY	REV	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
28239685	G				
28239692	G				
28239697	G				
28239702	F				
1	1	1	1	C205	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
-	-	-	-	C206	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C207	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C208	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C209	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C210	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C211	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
-	-	-	-	C212	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C213	09399018	CAP-SM,TA,47UF,10%	(tantB)
1	1	1	1	C214	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C215	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C216	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C217	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C218	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C219	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C220	16167476	CAP-SM,0603,.01UF	(sm0603)
-	1	1	1	C221	28024967	CAP-SM, 0.7PF, 50V	(sm0402)
-	1	1	1	C222	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C224	09399840	CAP-SM,220PF,5% 50V	(sm0402)
1	1	1	1	C225	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C226	09399840	CAP-SM,220PF,5% 50V	(sm0402)
1	1	1	1	C227	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C228	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C229	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C230	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C231	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C232	09393692	CAP-SM,ELR,100UF,10V	(smadp07.80x06.8...)
1	1	1	1	C233	09393692	CAP-SM,ELR,100UF,10V	(smadp07.80x06.8...)
-	-	-	-	C234	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C235	16167470	CAP-SM,0603,3300PF	(sm0603)
1	1	1	1	C236	16167470	CAP-SM,0603,3300PF	(sm0603)
1	1	1	1	C237	16167470	CAP-SM,0603,3300PF	(sm0603)
1	1	1	1	C238	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C239	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C240	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C241	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C242	09399840	CAP-SM,220PF,5% 50V	(sm0402)
1	1	1	1	C243	09399840	CAP-SM,220PF,5% 50V	(sm0402)
-	-	-	-	C244	09397242	CAP-SM,22PF.0603	(sm0603)
1	1	1	1	C245	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C247	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C248	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C249	16167452	CAP-SM,0603,100PF	(sm0603)
-	-	-	-	C250	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C251	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C252	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C253	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C254	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C255	16167452	CAP-SM,0603,100PF	(sm0603)
-	-	-	-	C256	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C257	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C258	16167452	CAP-SM,0603,100PF	(sm0603)
1	1	1	1	C259	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C260	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C261	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C262	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C263	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C264	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C265	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C266	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C267	16167458	CAP-SM,0603,330PF	(sm0603)
1	1	1	1	C268	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C269	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C270	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C271	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C272	09395932	CAP-SM,EL,47UF,16V	(smadp07.80x06.8...)
1	1	1	1	C275	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
-	-	-	-	C276	09397242	CAP-SM,22PF.0603	(sm0603)
1	1	1	1	C278	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C279	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C281	09396905	CAP-SM,1000PF	(sm0402)
-	-	-	-	C282	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C286	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C287	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C288	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C289	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
1	1	1	1	C290	09398577	CAP-SM,0.22UF,0603	(sm0603)

H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY	REV	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
28239685	G				
28239692	G				
28239697	G				
28239702	F				
1	1	1	1	C291	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C292	09402711	CAP-SM,4.7UF,25V	(sm1206t)
1	1	1	1	C295	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
1	1	1	1	C296	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
1	1	1	1	C297	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C298	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C301	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
1	1	1	1	C304	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
1	1	1	1	C305	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
1	1	1	1	C306	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C307	09396905	CAP-SM,1000PF	(sm0402)
1	1	1	1	C310	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
1	1	1	1	C311	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C312	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C313	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C314	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C315	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C316	09402711	CAP-SM,4.7UF,25V	(sm1206t)
1	1	1	1	C317	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C318	09401902	CAP-EL,SM,470UF +/-20	(smadp12.00x10.5...)
1	1	1	1	C319	09399021	CAP-SM,TA,100UF,10%	(tantD)
1	1	1	1	C320	09399021	CAP-SM,TA,100UF,10%	(tantD)
1	1	1	1	C321	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C322	16167453	CAP-SM,0603,120PF	(sm0603)
1	1	1	1	C323	16167475	CAP-SM,0603,8200PF	(sm0603)
1	1	1	1	C324	16167467	CAP-SM,0603,1800PF	(sm0603)
1	1	1	1	C325	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C326	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C327	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C328	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C329	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C330	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C331	09402711	CAP-SM,4.7UF,25V	(sm1206t)
1	1	1	1	C333	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C334	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C335	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C336	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C337	09399874	CAP-SM,1.0UF,10% 25	(sm0805t)
1	1	1	1	C338	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C339	16253873	CAP-TA,SM,100UF,10V	(tantD)
-	-	-	-	C340	16253873	CAP-TA,SM,100UF,10V	(tantD)
-	-	-	-	C341	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C343	09399874	CAP-SM,1.0UF,10% 25	(sm0805t)
-	-	-	-	C345	16167467	CAP-SM,0603,1800PF	(sm0603)
1	1	1	1	C346	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C348	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C349	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C350	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C351	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C352	09402711	CAP-SM,4.7UF,25V	(sm1206t)
1	1	1	1	C353	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C354	16253873	CAP-TA,SM,100UF,10V	(tantD)
1	1	1	1	C355	16253873	CAP-TA,SM,100UF,10V	(tantD)
1	1	1	1	C356	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C357	16167453	CAP-SM,0603,120PF	(sm0603)
1	1	1	1	C358	16167475	CAP-SM,0603,8200PF	(sm0603)
1	1	1	1	C359	16167467	CAP-SM,0603,1800PF	(sm0603)
1	1	1	1	C360	09399809	CAP-SM,2200PF,10%	(sm0402)
1	1	1	1	C361	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C362	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C363	09395481	CAP-TA,SM,15UF,1	(tantD)
1	1	1	1	C364	09395481	CAP-TA,SM,15UF,1	(tantD)
-	-	-	-	C365	09397943	CAP-SM,0.1UF,50V	(sm0603)
-	-	-	-	C366	09402711	CAP-SM,4.7UF,25V	(sm1206t)
1	1	1	1	C368	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
1	1	1	1	C369	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C370	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C371	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C372	09399874	CAP-SM,1.0UF,10% 25	(sm0805t)
1	1	1	1	C373	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C374	16253873	CAP-TA,SM,100UF,10V	(tantD)
1	1	1	1	C375	16253873	CAP-TA,SM,100UF,10V	(tantD)
1	1	1	1	C376	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C378	09399874	CAP-SM,1.0UF,10% 25	(sm0805t)
1	1	1	1	C382	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C389	09399016	CAP-SM,TA,10UF,10%	(tantA)
-	1	1	1	C394	28025021	CAP-SM, 15PF, 50V, 5%	(sm0402)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		5 OF 17		H	

H	H	H	G	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

LAST AFFECTED BY REVISION

CIR BD S/A-SM1

REV	G	G	G	F
ASSEMBLY	28239685	28239692	28239697	28239702

REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
C395	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C398	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C400	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C402	09396905	CAP-SM,1000PF	(sm0402)
C403	09396905	CAP-SM,1000PF	(sm0402)
C409	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C416	09393692	CAP-SM,ELR,100UF,10V	(smadp07.80x06.8...)
C417	09397943	CAP-SM,0.1UF,50V	(sm0603)
C418	16167476	CAP-SM,0603,.01UF	(sm0603)
C419	09390230	CAP-SM,0603,1000PF	(sm0603)
C423	16167499	CAP-SM,0603,33PF	(sm0603)
C424	16167499	CAP-SM,0603,33PF	(sm0603)
C425	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
C426	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
C427	16167504	CAP-SM,0603,82PF	(sm0603)
C428	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C429	16247252	CAP-SM,ELR,10UF,16V	(smadp05.60x04.5...)
C430	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C431	16167476	CAP-SM,0603,.01UF	(sm0603)
C432	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C433	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C434	09395930	CAP-SM,EL,22UF,16V	(smadp05.60x04.5...)
C435	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C436	16167493	CAP-SM,0603,10PF	(sm0603)
C437	16167504	CAP-SM,0603,82PF	(sm0603)
C438	09398577	CAP-SM,0.22UF,0603	(sm0603)
C439	09399827	CAP-SM,18PF,5% 50V	(sm0402)
C440	09399809	CAP-SM,2200PF,10%	(sm0402)
C441	16167493	CAP-SM,0603,10PF	(sm0603)
C442	09396905	CAP-SM,1000PF	(sm0402)
C443	09397242	CAP-SM,22PF.0603	(sm0603)
C444	09397242	CAP-SM,22PF.0603	(sm0603)
C445	09397242	CAP-SM,22PF.0603	(sm0603)
C446	09396905	CAP-SM,1000PF	(sm0402)
C447	09402704	CAP-SM,0.1UF,16V,10	(sm0402)
C448	09402715	CAP-SM,22.0UF,16V	(sm02.80-03.60x0...)
C449	09402715	CAP-SM,22.0UF,16V	(sm02.80-03.60x0...)
C450	16167501	CAP-SM,0603,47PF	(sm0603)
C451	09396905	CAP-SM,1000PF	(sm0402)
C452	09396905	CAP-SM,1000PF	(sm0402)
C453	09396905	CAP-SM,1000PF	(sm0402)
C455	09396905	CAP-SM,1000PF	(sm0402)
C457	09390230	CAP-SM,0603,1000PF	(sm0603)
C458	09395932	CAP-SM,EL,47UF,16V	(smadp07.80x06.8...)
C459	09399841	CAP-SM,270PF,5% 50V	(sm0402)
C460	09399839	CAP-SM,180PF,5% 50V	(sm0402)
CR1	09399576	DIO-SURGE,DO-218AB	(do218aa)
CR2	16236182	DIO-SIGNAL,SOT23	(sot23)
CR3	16236182	DIO-SIGNAL,SOT23	(sot23)
CR4	16124326	DIODE-SIGNAL,SM	(sot23)
CR5	16188437	DIODE-ZENER,SOD123	(sod123)
CR7	16188437	DIODE-ZENER,SOD123	(sod123)
CR11	16074417	DIO-SI,SM,SOT23	(sot23)
CR13	09399576	DIO-SURGE,DO-218AB	(do218aa)
CR14	16150520	DIODE-SIGNAL,A	(sot23)
CR15	28026630	DIO-PIN, SOT363	(sot363)
CR17	16268828	DIO-PIN,SOD323	(sod323)
CR18	16268828	DIO-PIN,SOD323	(sod323)
CR19	16211192	DIODE-VARACT,FM,SM	(sot23)
CR20	16268827	DIO-VARACT,SOD323	(sod323)
CR21	16228496	DIO-RECT,SMA	(SMA)
CR22	09364045	DIO-SHTKY,SMA	(SMA)
CR23	16234289	DIO-SHTKY, SMA	(SMA)
CR24	16214042	DIO-SHTKY,SMB	(SMB)
CR25	16234289	DIO-SHTKY, SMA	(SMA)
CR26	16228496	DIO-RECT,SMA	(SMA)
CR27	16234289	DIO-SHTKY, SMA	(SMA)
CR28	16234289	DIO-SHTKY, SMA	(SMA)
CR29	28072817	DIO-SURGE,SOT23DLBI	(sot23)
CR30	16249412	DIO-RECT,SMB	(dsm05.21-05.59x...)
CR31	16249412	DIO-RECT,SMB	(dsm05.21-05.59x...)
CR33	28107325	DIO-ZENER, SOD323	(sod323)
CR34	28107325	DIO-ZENER, SOD323	(sod323)
CR51	16150520	DIODE-SIGNAL,A	(sot23)
CR52	16074417	DIO-SI,SM,SOT23	(sot23)
E2	09399575	FERRITE-470 OHM,060	(sm0603)
E3	09399575	FERRITE-470 OHM,060	(sm0603)

H	H	H	G	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

LAST AFFECTED BY REVISION

CIR BD S/A-SM1

REV	G	G	G	F
ASSEMBLY	28239685	28239692	28239697	28239702

REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
E4	09399575	FERRITE-470 OHM,060	(sm0603)
E6	09399575	FERRITE-470 OHM,060	(sm0603)
E7	09399575	FERRITE-470 OHM,060	(sm0603)
E9	09399575	FERRITE-470 OHM,060	(sm0603)
E10	09399575	FERRITE-470 OHM,060	(sm0603)
E11	09395639	FERRITE-1000,0603	(sm01.45-01.75x0...)
E13	28207191	FERRITE BEAD-SM,220OH	(sm0603)
E14	09399575	FERRITE-470 OHM,060	(sm0603)
E15	09399575	FERRITE-470 OHM,060	(sm0603)
E20	09357553	FERRITE-1500 OHM	(sm0603)
E21	28062423	FERRITE-600OHM,0603	(sm0603)
E22	28062423	FERRITE-600OHM,0603	(sm0603)
J2	09401941	HEADER-18POS,F,V,1M	(he18_24.40x03.6...)
J2	09400971	HEADER-18POS,F,V,1M	(he18_24.40x03.6...)
L1	28023169	INDUCTOR-22UH,SM,20%	(ind02_12.20-12....)
L2	28023169	INDUCTOR-22UH,SM,20%	(ind02_12.20-12....)
L3	28022675	INDUCTOR-10UH,SM,20%	(ind02_09.80-10....)
L4	16247678	INDUCTOR-56.0UH,5%	(chokeB)
L5	28163877	INDUCTOR- 330UH,5%,SM	(ind04.20-04.80x...)
L6	09399766	INDUCTOR-39NH,5%,SM	(ind_c2520c)
L7	16215305	INDUCTOR-47NH,SM	(chokeB)
L8	16245848	INDUCTOR-6.8UH,SM	(chokeB)
L9	16247605	INDUCTOR-2.2UH,5%	(chokeA)
L10	16247656	INDUCTOR-0.56UH,5%	(chokeB)
L11	16171572	CHOKE-SM,1000UH	(chokeC)
L13	16247645	INDUCTOR-0.18UH,5%	(chokeB)
L14	28023169	INDUCTOR-22UH,SM,20%	(ind02_12.20-12....)
L15	16247606	INDUCTOR-2.7UH,5%	(chokeA)
L17	28023169	INDUCTOR-22UH,SM,20%	(ind02_12.20-12....)
L18	28022675	INDUCTOR-10UH,SM,20%	(ind02_09.80-10....)
LABEL	28013150	LABEL-MFG,FORMAT 2D	(label_09400136_...)
P2	28089430	ANTENNA-CER, 2.4GHZ	(sm02.90-03.50x0...)
Q6	16150636	XSTR-PNP,SOT23	(sot23)
Q7	16084378	XSTR-NPN,SOT23	(sot23)
Q9	28075488	XSTR-PFET,SO8	(so08s1.27_03.55...)
Q10	16205236	XSTR-PNP,SOT23	(sot23)
Q11	16057208	XSTR-NPN,SOT23	(sot23)
Q12	16057208	XSTR-NPN,SOT23	(sot23)
Q13	16064843	XSTR-PNP,SOT23	(sot23)
Q14	09369130	XSTR-NFET,DUAL,SO8	(so08s1.27_03.55...)
Q15	16064843	XSTR-PNP,SOT23	(sot23)
Q16	09369130	XSTR-NFET,DUAL,SO8	(so08s1.27_03.55...)
Q19	16084378	XSTR-NPN,SOT23	(sot23)
Q20	16150636	XSTR-PNP,SOT23	(sot23)
Q24	09369130	XSTR-NFET,DUAL,SO8	(so08s1.27_03.55...)
Q25	09369130	XSTR-NFET,DUAL,SO8	(so08s1.27_03.55...)
R2	16171362	RES-SM,.0.1W5%10	(sm0603)
R3	16171362	RES-SM,.0.1W5%10	(sm0603)
R4	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
R5	16058203	RES-SM,1210 120 5%	(sm1210)
R6	16167395	RES-SM,33K,0.1W,5%	(sm0603)
R7	16167391	RES-SM,22K,0.1W,5%	(sm0603)
R9	16230822	RES-SM,0 OHM 0.1W	(sm0603)
R11	16167403	RES-SM,68K,0.1W,5%	(sm0603)
R12	16237870	RES-SM,56.2K 0.1W1%	(sm0603)
R13	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
R14	16230822	RES-SM,0 OHM 0.1W	(sm0603)
R16	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
R18	16167383	RES-SM,10K,0.1W,5%	(sm0603)
R20	16237850	RES-SM,34.8K,0.1W,1%	(sm0603)
R23	16167399	RES-SM,47K,0.1W,5%	(sm0603)
R24	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
R25	16167403	RES-SM,68K,0.1W,5%	(sm0603)
R26	16167403	RES-SM,68K,0.1W,5%	(sm0603)
R27	16167391	RES-SM,22K,0.1W,5%	(sm0603)
R28	16167383	RES-SM,10K,0.1W,5%	(sm0603)
R29	16167395	RES-SM,33K,0.1W,5%	(sm0603)
R31	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
R33	16167399	RES-SM,47K,0.1W,5%	(sm0603)
R34	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
R35	16237898	RES-SM,110K, 0.1W1%	(sm0603)
R36	16167383	RES-SM,10K,0.1W,5%	(sm0603)
R37	16167383	RES-SM,10K,0.1W,5%	(sm0603)
R38	16237830	RES-SM,21.5K,0.1W,1%	(sm0603)
R39	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
R43	16167383	RES-SM,10K,0.1W,5%	(sm0603)
R45	16167383	RES-SM,10K,0.1W,5%	(sm0603)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER 24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		6 OF 17		H	

H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY	REV	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
28239685	G	R48	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
28239692	G	R49	16167383	RES-SM,10K,0.1W,5%	(sm0603)
28239697	G	R52	16167383	RES-SM,10K,0.1W,5%	(sm0603)
28239702	F	R53	16171362	RES-SM,.0.1W5%10	(sm0603)
1	1	1	1	R56	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R58	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R59	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R62	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R65	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R66	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R70	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R72	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R73	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R76	16167332	RES-SM,75OHM,0.1W	(sm0603)
1	1	1	1	R78	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R79	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R80	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R81	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R82	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R83	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R86	16171374	RES-SM,.0.1W5%33OHM	(sm0603)
1	1	1	1	R88	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R93	16171378	RES-SM,.0.1W5%47OHM	(sm0603)
1	1	1	1	R94	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R95	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R96	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R97	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R105	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R118	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R120	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R121	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R122	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R123	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	-	R124	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R125	16237894	RES-SM,100K,0.1W1%	(sm0603)
1	1	1	1	R126	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R127	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R128	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	-	R130	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R131	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R132	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R133	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
-	1	1	1	R134	16167355	RES-SM,680,0.1W	(sm0603)
-	-	-	-	R136	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	1	1	1	R139	16167335	RES-SM,100,0.1W	(sm0603)
-	1	1	1	R140	16167335	RES-SM,100,0.1W	(sm0603)
-	1	1	1	R143	16167335	RES-SM,100,0.1W	(sm0603)
-	1	1	1	R145	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R149	16167395	RES-SM,33K,0.1W,5%	(sm0603)
1	1	1	1	R155	16167367	RES-SM,2.2K,0.1W,5%	(sm0603)
1	1	1	1	R161	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R163	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R167	16237622	RES-SM,147OHM, 0.1W	(sm0603)
1	1	1	1	R168	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R169	16237555	RES-SM,29.4OHM0.1W	(sm0603)
1	1	1	1	R178	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R181	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R182	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R185	16167423	RES-SM,470K,0.1W,5%	(sm0603)
1	1	1	1	R189	16167367	RES-SM,2.2K,0.1W,5%	(sm0603)
1	1	1	1	R191	16167423	RES-SM,470K,0.1W,5%	(sm0603)
1	1	1	1	R192	16167333	RES-SM,82OHM,0.1W	(sm0603)
1	1	1	1	R193	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R194	16031218	RES-SM,1206 560, 5%	(sm1206)
1	1	1	1	R195	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R196	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R197	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R201	16167367	RES-SM,2.2K,0.1W,5%	(sm0603)
1	1	1	1	R202	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R203	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R204	16167391	RES-SM,22K,0.1W,5%	(sm0603)
1	1	1	1	R205	16167361	RES-SM,1.2K,0.1W,5%	(sm0603)
1	1	1	1	R206	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R207	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
-	-	-	1	R208	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	1	-	R209	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	-	R209	28062423	FERRITE-600OHM,0603	(sm0603)

H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM1

ASSEMBLY	REV	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
28239685	G	R210	16031184	RES-SM, 1206 22, 5%	(sm1206)
28239692	G	R211	09396553	RES-SM,47K,1/16W,5%	(sm0402)
28239697	G	R212	16230822	RES-SM,0 OHM 0.1W	(sm0603)
28239702	F	R213	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	1	R214	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	1	R215	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	1	R216	16167402	RES-SM,62K,0.1W,5%	(sm0603)
-	-	1	-	R217	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	1	R219	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	1	R220	16237790	RES-SM,8.25K,0.1W,1%	(sm0603)
-	-	-	1	R221	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	1	-	R222	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	1	R224	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
-	-	-	1	R225	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	1	1	1	R226	16167335	RES-SM,100,0.1W	(sm0603)
-	1	1	1	R227	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R228	16167351	RES-SM,470,0.1W	(sm0603)
1	1	1	1	R229	16171362	RES-SM,.0.1W5%10	(sm0603)
1	1	1	1	R230	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R231	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R232	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R233	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R234	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R235	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R236	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R237	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R238	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R239	16171362	RES-SM,.0.1W5%10	(sm0603)
1	1	1	1	R240	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R241	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R242	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R243	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R244	16058157	RES-SM,1210 1.5 10%	(sm1210)
1	1	1	1	R246	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R247	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R249	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R250	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R251	16167328	RES-SM,51 OHM,0.1W	(sm0603)
1	1	1	1	R252	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R253	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R254	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R256	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R257	16167335	RES-SM,100,0.1W	(sm0603)
-	-	-	1	R258	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R259	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R260	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R261	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R262	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R263	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R264	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R265	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R266	16167335	RES-SM,100,0.1W	(sm0603)
-	1	1	1	R267	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	1	-	R268	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
-	-	1	-	R269	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
-	-	1	-	R270	16167335	RES-SM,100,0.1W	(sm0603)
-	-	-	1	R270	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	1	-	R271	16167335	RES-SM,100,0.1W	(sm0603)
-	-	-	1	R271	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	1	-	R272	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R273	16171416	RES-SM,0 OHM,.1/8W	(sm0805)
-	-	-	-	R274	16171416	RES-SM,0 OHM,.1/8W	(sm0805)
1	1	1	1	R275	16167347	RES-SM,330,0.1W	(sm0603)
1	1	1	1	R276	16167347	RES-SM,330,0.1W	(sm0603)
1	1	1	1	R302	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R303	16257518	RES-SM,0.02OHM,1W1%	(sm06.10-06.60x0...)
1	1	1	1	R304	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R305	16237888	RES-SM,86.6K0.1W1%	(sm0603)
1	1	1	1	R306	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
1	1	1	1	R307	16171416	RES-SM,0 OHM,.1/8W	(sm0805)
1	1	1	1	R308	16237949	RES-SM,374K,0.1W1%	(sm0603)
1	1	1	1	R309	16237717	RES-SM,1.43K,0.1W,1%	(sm0603)
1	1	1	1	R310	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R311	16237878	RES-SM,68.1K 0.1W1%	(sm0603)
-	-	-	-	R312	16087922	RES-SM,12, 1/8W 5%	(sm0805)
-	-	-	-	R313	16257518	RES-SM,0.02OHM,1W1%	(sm06.10-06.60x0...)
-	-	-	-	R314	16087922	RES-SM,12, 1/8W 5%	(sm0805)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER

24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		7 OF 17		H	

H	H	H	G	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

LAST AFFECTED BY REVISION

CIR BD S/A-SM1

REV	G	G	G	F
ASSEMBLY	28239685	28239692	28239697	28239702

REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
-	-	-	-	R315	16237888	RES-SM,86.6K0.1W1%	(sm0603)
1	1	1	1	R316	16237786	RES-SM,7.50K,0.1W,1%	(sm0603)
-	-	-	-	R317	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
-	-	-	-	R318	16171416	RES-SM,0 OHM,.1/8W	(sm0805)
1	1	1	1	R319	16237702	RES-SM,1.00K,0.1W,1%	(sm0603)
-	-	-	-	R320	16237827	RES-SM,20.0K,0.1W,1%	(sm0603)
-	-	-	-	R321	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R322	16237865	RES-SM,49.9K0.1 W1%	(sm0603)
1	1	1	1	R323	16237894	RES-SM,100K,0.1W1%	(sm0603)
1	1	1	1	R324	16237622	RES-SM,147OHM, 0.1W	(sm0603)
1	1	1	1	R325	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R326	16257518	RES-SM,0.02OHM,1W1%	(sm06.10-06.60x0...)
1	1	1	1	R327	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R328	16237888	RES-SM,86.6K0.1W1%	(sm0603)
1	1	1	1	R329	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
1	1	1	1	R332	16237949	RES-SM,374K,0.1W1%	(sm0603)
1	1	1	1	R333	16237763	RES-SM,4.32K,0.1W,1%	(sm0603)
1	1	1	1	R334	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R335	16237878	RES-SM,68.1K 0.1W1%	(sm0603)
1	1	1	1	R336	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R337	16257518	RES-SM,0.02OHM,1W1%	(sm06.10-06.60x0...)
1	1	1	1	R338	16087922	RES-SM,12, 1/8W 5%	(sm0805)
1	1	1	1	R340	16237693	RES-SM,806OHM,0.1W	(sm0603)
1	1	1	1	R343	16237702	RES-SM,1.00K,0.1W,1%	(sm0603)
1	1	1	1	R346	16237929	RES-SM,232K,0.1W1%	(sm0603)
1	1	1	1	R347	16237894	RES-SM,100K,0.1W1%	(sm0603)
1	1	1	1	R348	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R350	16031186	RES-SM, 1206 27, 5%	(sm1206)
1	1	1	1	R351	16031186	RES-SM, 1206 27, 5%	(sm1206)
1	1	1	1	R352	16167387	RES-SM,15K,0.1W,5%	(sm0603)
1	1	1	1	R353	16167387	RES-SM,15K,0.1W,5%	(sm0603)
1	1	1	1	R355	16237836	RES-SM,24.9K,0.1W,1%	(sm0603)
1	1	1	1	R364	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R365	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R366	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R367	28114099	VARISTOR-SM,0.05J	(sm0603)
-	1	1	1	R389	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	1	1	1	R390	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	1	1	1	R392	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	1	1	1	R394	16167333	RES-SM,82OHM,0.1W	(sm0603)
-	1	1	1	R395	16237863	RES-SM,47.5K0.1 W1%	(sm0603)
-	1	1	1	R396	16237844	RES-SM,30.1K,0.1W,1%	(sm0603)
1	1	1	1	R397	16167343	RES-SM,220,0.1W	(sm0603)
1	1	1	1	R399	16167339	RES-SM,150,0.1W	(sm0603)
1	1	1	1	R401	16167339	RES-SM,150,0.1W	(sm0603)
1	1	1	1	R405	16167343	RES-SM,220,0.1W	(sm0603)
-	-	-	-	R406	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R407	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R408	16167343	RES-SM,220,0.1W	(sm0603)
1	1	1	1	R409	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R410	16167343	RES-SM,220,0.1W	(sm0603)
1	1	1	1	R411	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R413	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R414	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R415	16167403	RES-SM,68K,0.1W,5%	(sm0603)
1	1	1	1	R418	16237866	RES-SM,51.1K0.1 W1%	(sm0603)
1	1	1	1	R419	16237866	RES-SM,51.1K0.1 W1%	(sm0603)
1	1	1	1	R420	16167394	RES-SM,30K,0.1W,5%	(sm0603)
1	1	1	1	R421	16167394	RES-SM,30K,0.1W,5%	(sm0603)
1	1	1	1	R422	16237870	RES-SM,56.2K 0.1W1%	(sm0603)
1	1	1	1	R424	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R425	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	RV3	28114099	VARISTOR-SM,0.05J	(sm0603)
1	1	1	1	RV4	28114099	VARISTOR-SM,0.05J	(sm0603)
1	1	1	1	U3	28063184	IC-OMAP5905, REV2.1	(bga288_23.20X23...)
1	1	1	1	U4	28189585	IC-SDRAM, IS45S16100E	(so50s0.80_10.05...)
1	1	1	-	U5	28336324	IC-FLASH, M29W160EB70	(so48s0.50_18.30...)
-	-	-	1	U5	28241905	IC-16M,LV80N,TS,125C,	(so48s0.50_18.30...)
1	1	1	1	U8	09398300	IC-VR SNGL,NCV1117DTA	(dpak)
-	1	1	1	U10	28212315	XCVR-BLUETOOTH,HCI,PB	(lga_fa56_11.80x...)
1	1	1	1	U12	09402119	IC-DICE2, AM/FM TUNER	(qfp64s0.50_09.9...)
-	-	-	1	U14	09399593	IC-VREG,TRACKING,D2	(d2pak05_NSC)
1	1	1	1	U15	28041990	IC-SAF7730/1TUN312A	(qfp144s0.50_19....)
1	1	1	1	U18	28155429	IC-DSLR, DUAL SW, LIN	(so38s0.65_06.00...)
1	1	1	1	U19	28155429	IC-DSLR, DUAL SW, LIN	(so38s0.65_06.00...)
1	1	1	1	U20	28206322	IC-ASIC,ACCORDO,STA10	(qfp144s0.50_19....)
1	1	1	1	U21	28189585	IC-SDRAM, IS45S16100E	(so50s0.80_10.05...)

H	H	H	G	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

LAST AFFECTED BY REVISION

CIR BD S/A-SM1

REV	G	G	G	F
ASSEMBLY	28239685	28239692	28239697	28239702

REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	U22	28087912	IC-AUTHENTICATION	(qfn40s0.50_06.0...)
-	1	1	1	U25	09362984	IC-OPAMP,LMV358 MMX	(so08s0.65_02.90...)
-	1	1	1	U26	21003719	IC-CODEC,TLV320AIC23	(so28s0.65_04.30...)
1	1	1	1	Y1	28116926	RESONATOR-SM,33.8688M	(mci02.70x02.20_...)
1	1	1	1	Y2	28071870	OSCILLATOR-48MHZ,SM	(hh_ds3_03.35x02...)
1	1	1	1	Y3	09400218	XSTAL-41.6MHZ,SM	(smadp12.75x05.0...)
1	1	1	1	Y4	16195330	XSTAL-32.768K,SM	(mxt09.05x03.20-...)
1	1	1	1	Y5	09399567	XSTAL-12MHZ,SM	(smadp12.75x05.0...)
1	1	1	1	Z1	09397191	NETWORK-10K OHM	(sm1206r_array)
1	1	1	1	Z2	09397191	NETWORK-10K OHM	(sm1206r_array)
1	1	1	1	Z3	09397191	NETWORK-10K OHM	(sm1206r_array)
1	1	1	1	Z5	09397191	NETWORK-10K OHM	(sm1206r_array)
-	-	-	-	Z6	09397191	NETWORK-10K OHM	(sm1206r_array)
1	1	1	1	1	MA010378051	MA-SOLDER	
O01	O01	O01	O01	2	MA010378060	MA-SOLDER	
1	-	-	-	3	28239686	CIR BD S/A-SM2,MID	
-	1	-	-	4	28239693	CIR BD S/A-SM2,BT	
-	-	1	-	5	28239698	CIR BD S/A-SM2,XM	
-	-	-	1	6	28239703	CIR BD S/A-SM2,SR	

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

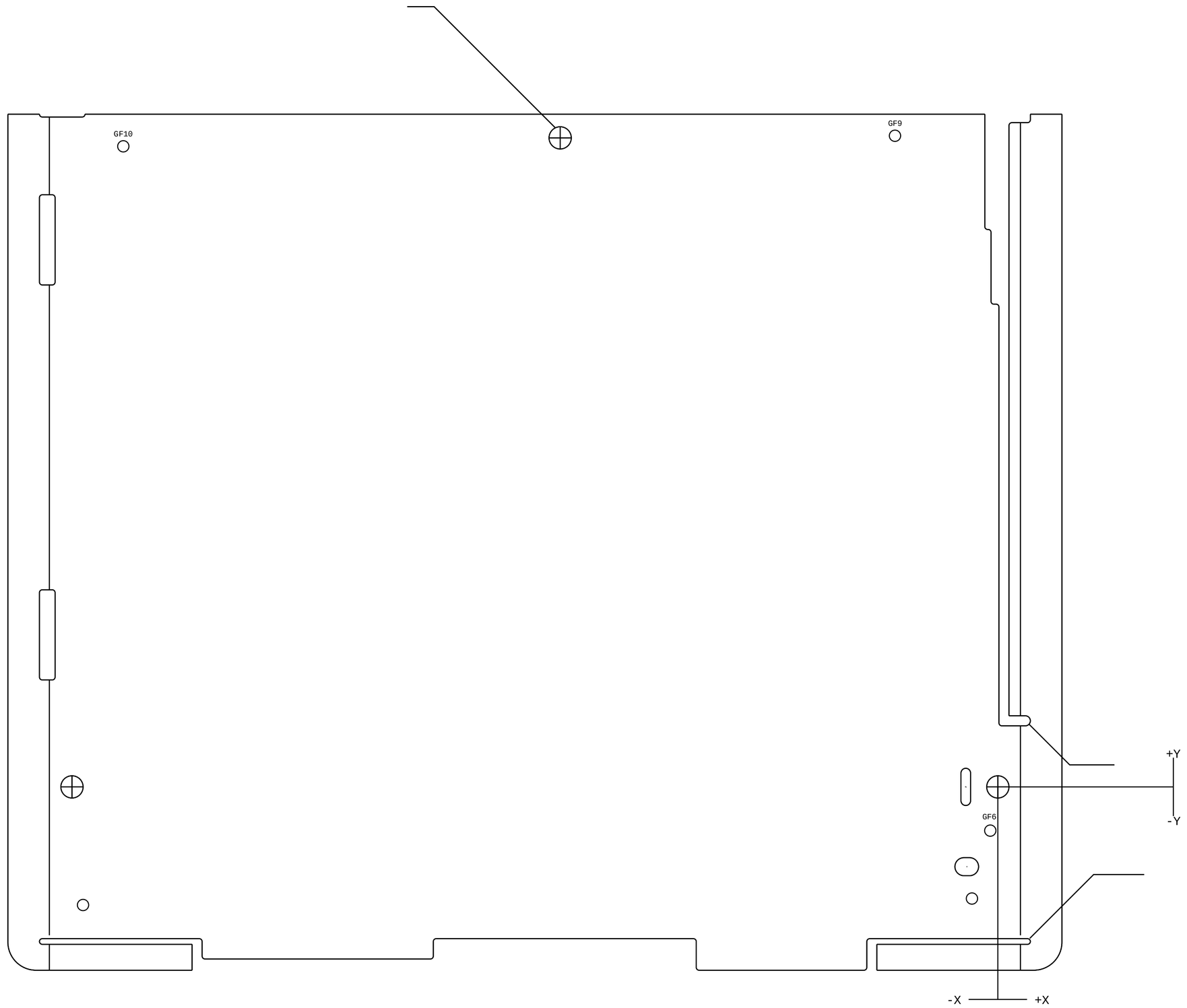
If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER 24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		8 OF 17		H	

DRAWING GENERATED BY SPEEDE VERSION 2010.1j [GES/ECAD Support], [BUILD: 01-FEB-2010]



CIR BD S/A-SM2
VIEWED FROM SIDE 2
HIDDEN LINES NOT SHOWN

1. SECURE SMC(S) TO SIDE 2 OF THE CIRCUITBOARD USING SOLDER PASTE M-10378-51 OR OPT M-10378-60, PER PROCESS SPECIFICATION.
2. DEGREES OF ROTATION: 0, 90, 180, AND 270 REFERS TO DEGREES ROTATION OF COMPONENTS. ORIENTATION OF COMPONENTS IS TO BE PER THE STANDARD ZERO DEGREE ROTATION DOCUMENT.
3. THIS ASSEMBLY IS ELECTROSTATIC DISCHARGE (ESD) SENSITIVE.
4. THE FOLLOWING ARE LOCATED WITHIN GES: MENTOR NEUTRAL FILE (MENV#R#) UNDER THE CIRCUIT BOARD PART NUMBER AND THE CHIP X-YS (S2RV#R#, S2DV#R#) ARE LOCATED UNDER THE ASSEMBLY NUMBER.
5. THE ORIGIN OF SMT COMPONENTS WILL BE THE CENTER OF THE PHYSICAL BODY.

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		9 OF 17		H	

DRAWING GENERATED BY SPEEDE VERSION 2010.1j [GES/ECAD Support], [BUILD: 01-FEB-2010]

REV						
A	A	A	A	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM2

ASSEMBLY 28239686	ASSEMBLY 28239693	ASSEMBLY 28239698	ASSEMBLY 28239703	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	FID9	LOCAL_FID	NO PAIC DESCRIPTION	FID_L
1	1	1	1	GF1	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	GF3	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	GF4	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	GF6	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF8	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF9	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GU
1	1	1	1	GF10	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	GF11	GLOBAL_FID	NO PAIC DESCRIPTION	FID_GC
1	1	1	1	C1	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C14	09398577	CAP-SM,0.22UF,0603	(sm0603)
-	1	1	1	C21	09395665	CAP-SM,1.0UF,0805,1	(sm0805t)
1	1	1	1	C22	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C27	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C36	09390230	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C38	09398577	CAP-SM,0.22UF,0603	(sm0603)
1	1	1	1	C58	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C59	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C60	09398654	CAP-SM,0603,X7R,100	(sm0603)
1	1	1	1	C61	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C62	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C63	09398654	CAP-SM,0603,X7R,100	(sm0603)
1	1	1	1	C65	16167468	CAP-SM,0603,2200PF	(sm0603)
1	1	1	1	C68	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C69	16167468	CAP-SM,0603,2200PF	(sm0603)
1	1	1	1	C70	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C71	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C72	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C73	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C74	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C75	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C76	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C77	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C84	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C85	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C87	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C88	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C89	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C90	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C91	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C92	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C93	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C94	09399873	CAP-SM,2.2UF,10% 16	(sm0805t)
1	1	1	1	C97	12207055	CAP-SM,8.2PF,0603	(sm0603)
1	1	1	1	C98	12207055	CAP-SM,8.2PF,0603	(sm0603)
1	1	1	1	C99	16167460	CAP-SM,0603,470PF	(sm0603)
1	1	1	1	C102	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C103	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C106	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C109	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C110	16167494	CAP-SM,0603,12PF	(sm0603)
-	-	-	-	C111	16167504	CAP-SM,0603,82PF	(sm0603)
-	-	-	-	C112	16167504	CAP-SM,0603,82PF	(sm0603)
1	1	1	1	C117	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C118	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C119	09399874	CAP-SM,1.0UF,10% 25	(sm0805t)
-	-	-	-	C121	16167476	CAP-SM,0603,.01UF	(sm0603)
-	-	-	-	C124	16167458	CAP-SM,0603,330PF	(sm0603)
-	-	-	-	C125	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C126	16167467	CAP-SM,0603,1800PF	(sm0603)
-	1	1	1	C135	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C137	16167465	CAP-SM,0603,1200PF	(sm0603)
1	1	1	1	C139	16167504	CAP-SM,0603,82PF	(sm0603)
1	1	1	1	C147	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C152	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C166	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C167	16167470	CAP-SM,0603,3300PF	(sm0603)
-	-	-	-	C223	16208150	CAP-SM,0.1UF	(sm0603)
-	-	-	-	C246	16167460	CAP-SM,0603,470PF	(sm0603)
1	1	1	1	C273	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C274	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C277	16167464	CAP-SM,0603,1000PF	(sm0603)
1	1	1	1	C280	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C283	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C284	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C285	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C293	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)

REV						
A	A	A	A	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM2

ASSEMBLY 28239686	ASSEMBLY 28239693	ASSEMBLY 28239698	ASSEMBLY 28239703	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	C294	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C299	16167497	CAP-SM,0603,22PF	(sm0603)
1	1	1	1	C300	16167497	CAP-SM,0603,22PF	(sm0603)
1	1	1	1	C302	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C303	09398665	CAP-SM,0603,Y5V,1UF	(sm0603)
1	1	1	1	C308	16167497	CAP-SM,0603,22PF	(sm0603)
1	1	1	1	C309	16167497	CAP-SM,0603,22PF	(sm0603)
1	1	1	-	C332	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	-	C332	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	-	C342	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	-	C342	16167453	CAP-SM,0603,120PF	(sm0603)
-	-	-	-	C344	16167475	CAP-SM,0603,8200PF	(sm0603)
1	1	1	1	C347	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C367	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C377	16167453	CAP-SM,0603,120PF	(sm0603)
1	1	1	1	C379	16167475	CAP-SM,0603,8200PF	(sm0603)
1	1	1	1	C380	16167467	CAP-SM,0603,1800PF	(sm0603)
-	-	-	-	C381	16167460	CAP-SM,0603,470PF	(sm0603)
1	1	1	1	C383	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C384	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C385	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C386	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C387	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C388	16167460	CAP-SM,0603,470PF	(sm0603)
1	1	1	1	C390	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C391	09399016	CAP-SM,TA,10UF,10%	(tantA)
1	1	1	1	C392	16167476	CAP-SM,0603,.01UF	(sm0603)
1	1	1	1	C393	16167460	CAP-SM,0603,470PF	(sm0603)
1	1	1	1	C396	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C397	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C399	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C401	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C404	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C405	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C406	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C407	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C408	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C410	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C411	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C412	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C413	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C414	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C415	16208150	CAP-SM,0.1UF	(sm0603)
-	-	-	-	C420	16208150	CAP-SM,0.1UF	(sm0603)
1	1	1	1	C421	09397943	CAP-SM,0.1UF,50V	(sm0603)
1	1	1	1	C422	09395665	CAP-SM,1.0UF,0805,1	(sm0805t)
1	1	1	1	CR6	16074417	DIO-SI,SM,SOT23	(sot23)
1	1	1	1	CR8	09370735	DIO-SURGE, SOT23CC	(sot23)
1	1	1	1	CR9	16074417	DIO-SI,SM,SOT23	(sot23)
1	1	1	1	CR10	09370735	DIO-SURGE, SOT23CC	(sot23)
1	1	1	1	CR12	16188437	DIODE-ZENER,SOD123	(sod123)
1	1	1	1	CR16	28033793	DIO-SHTKY, SOD323F	(sod323)
-	-	-	1	CR32	16124326	DIODE-SIGNAL,SM	(sot23)
1	1	1	1	CR35	28033793	DIO-SHTKY, SOD323F	(sod323)
1	1	1	1	CR36	09392246	DIO-RECT,SOD123	(sod123)
-	-	-	-	CR37	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR38	16150520	DIODE-SIGNAL,A	(sot23)
1	1	1	1	CR39	09392246	DIO-RECT,SOD123	(sod123)
-	-	-	-	CR40	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR41	16150520	DIODE-SIGNAL,A	(sot23)
1	1	1	1	CR42	09392246	DIO-RECT,SOD123	(sod123)
-	-	-	-	CR43	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR44	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR45	16150520	DIODE-SIGNAL,A	(sot23)
1	1	1	1	CR46	09392246	DIO-RECT,SOD123	(sod123)
-	-	-	-	CR47	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR48	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR49	16150520	DIODE-SIGNAL,A	(sot23)
-	-	-	-	CR50	16150520	DIODE-SIGNAL,A	(sot23)
1	1	1	1	E1	09399575	FERRITE-470 OHM,060	(sm0603)
1	1	1	1	E5	16268831	FERRITE-SM,0603	(sm01.45-01.75x0...)
1	1	1	1	E8	09399575	FERRITE-470 OHM,060	(sm0603)
1	1	1	1	E12	16192693	FERRITE-SM,RF,0603	(sm01.45-01.75x0...)
1	1	1	1	E16	09399575	FERRITE-470 OHM,060	(sm0603)
1	1	1	1	E17	09399575	FERRITE-470 OHM,060	(sm0603)
1	1	1	1	E18	09399575	FERRITE-470 OHM,060	(sm0603)
-	1	1	1	E19	09399575	FERRITE-470 OHM,060	(sm0603)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		10OF 17		H	

A	A	A	A	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

REV: A A A A

ASSEMBLY: 28239686 28239693 28239698 28239703

CIR BD S/A-SM2

28239686	28239693	28239698	28239703	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	E25	16268831	FERRITE-SM,0603	(sm01.45-01.75x0...)
1	1	1	1	E26	16268831	FERRITE-SM,0603	(sm01.45-01.75x0...)
1	1	1	1	E28	16268831	FERRITE-SM,0603	(sm01.45-01.75x0...)
1	1	1	1	Q2	16150572	XSTR-NPN,SOT23	(sot23)
1	1	1	1	Q3	16057208	XSTR-NPN,SOT23	(sot23)
1	1	1	1	Q4	16150636	XSTR-PNP,SOT23	(sot23)
1	1	1	1	Q5	16064843	XSTR-PNP,SOT23	(sot23)
1	1	1	1	Q8	16150636	XSTR-PNP,SOT23	(sot23)
1	1	1	1	Q18	16064843	XSTR-PNP,SOT23	(sot23)
1	1	1	1	Q26	16086914	XSTR-PFET,EM,SOT23	(sot23)
1	1	1	1	R1	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R8	16237860	RES-SM,44.2K 0.1W 1%	(sm0603)
1	1	1	1	R10	16167407	RES-SM,100K,0.1W,5%	(sm0603)
-	-	-	-	R15	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
-	-	-	-	R17	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	-	R19	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R21	16237866	RES-SM,51.1K0.1 W1%	(sm0603)
1	1	1	1	R22	16167431	RES-SM,1.0M,0.1W,5%	(sm0603)
1	1	1	1	R30	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R32	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R40	16167369	RES-SM,2.7K,0.1W,5%	(sm0603)
1	1	1	1	R41	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R42	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R44	16167390	RES-SM,20K,0.1W,5%	(sm0603)
1	1	1	1	R46	16167369	RES-SM,2.7K,0.1W,5%	(sm0603)
1	1	1	1	R47	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R50	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R51	16171362	RES-SM,.0.1W5%10	(sm0603)
1	1	1	1	R54	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R55	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R57	16237844	RES-SM,30.1K,0.1W,1%	(sm0603)
1	1	1	1	R60	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R61	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R63	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R64	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R67	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R68	16167431	RES-SM,1.0M,0.1W,5%	(sm0603)
1	1	1	1	R69	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R71	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R74	16167328	RES-SM,51 OHM,0.1W	(sm0603)
1	1	1	1	R75	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R77	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R84	16171374	RES-SM,.0.1W5%33OHM	(sm0603)
1	1	1	1	R85	16171374	RES-SM,.0.1W5%33OHM	(sm0603)
1	1	1	1	R87	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R89	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R90	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R91	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R92	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R98	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R99	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R100	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R101	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R102	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R103	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R104	16167399	RES-SM,47K,0.1W,5%	(sm0603)
-	-	-	-	R106	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R107	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	1	R108	16167391	RES-SM,22K,0.1W,5%	(sm0603)
1	1	1	1	R109	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R110	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R111	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R112	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R113	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R114	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R115	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R116	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R117	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R119	16167399	RES-SM,47K,0.1W,5%	(sm0603)
-	-	-	-	R129	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	-	R135	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R137	16167407	RES-SM,100K,0.1W,5%	(sm0603)
-	1	1	1	R138	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R141	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R142	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R144	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R146	16167399	RES-SM,47K,0.1W,5%	(sm0603)

A	A	A	A	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID

REV: A A A A

ASSEMBLY: 28239686 28239693 28239698 28239703

CIR BD S/A-SM2

28239686	28239693	28239698	28239703	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	R147	16167407	RES-SM,100K,0.1W,5%	(sm0603)
-	1	1	1	R148	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R150	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R151	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R152	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R153	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R154	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R156	16167367	RES-SM,2.2K,0.1W,5%	(sm0603)
1	1	1	1	R157	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R158	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R159	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R160	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R162	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R164	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R165	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R166	16167335	RES-SM,100,0.1W	(sm0603)
1	1	1	1	R170	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R171	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R172	16167431	RES-SM,1.0M,0.1W,5%	(sm0603)
1	1	1	1	R173	16167431	RES-SM,1.0M,0.1W,5%	(sm0603)
1	1	1	1	R174	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R175	16167411	RES-SM,150K,0.1W,5%	(sm0603)
1	1	1	1	R176	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R177	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R179	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R180	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R183	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R184	16167359	RES-SM,1.0K,0.1W,5%	(sm0603)
1	1	1	1	R186	16167353	RES-SM,560,0.1W	(sm0603)
1	1	1	1	R187	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R188	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R190	16237894	RES-SM,100K,0.1W1%	(sm0603)
1	1	1	1	R198	16171370	RES-SM,.0.1W5%22	(sm0603)
1	1	1	1	R199	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R200	16230822	RES-SM,0 OHM 0.1W	(sm0603)
-	-	-	1	R218	16167390	RES-SM,20K,0.1W,5%	(sm0603)
-	-	-	1	R223	16167407	RES-SM,100K,0.1W,5%	(sm0603)
-	-	-	-	R245	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R248	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R255	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R277	16167407	RES-SM,100K,0.1W,5%	(sm0603)
1	1	1	1	R278	16167387	RES-SM,15K,0.1W,5%	(sm0603)
1	1	1	1	R279	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R280	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R281	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R282	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R283	16031185	RES-SM, 1206 24. 5%	(sm1206)
1	1	1	1	R284	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R285	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R286	16031185	RES-SM, 1206 24. 5%	(sm1206)
1	1	1	1	R287	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R288	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R289	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R290	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R291	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R292	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R293	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R294	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R295	16031185	RES-SM, 1206 24. 5%	(sm1206)
1	1	1	1	R296	16031185	RES-SM, 1206 24. 5%	(sm1206)
1	1	1	1	R297	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R298	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R299	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R300	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R301	16167399	RES-SM,47K,0.1W,5%	(sm0603)
1	1	1	1	R339	16237888	RES-SM,86.6K0.1W1%	(sm0603)
1	1	1	1	R341	16237798	RES-SM,10.0K,0.1W,1%	(sm0603)
1	1	1	1	R344	16237740	RES-SM,2.49K,0.1W,1%	(sm0603)
1	1	1	1	R345	16230822	RES-SM,0 OHM 0.1W	(sm0603)
1	1	1	1	R349	16167375	RES-SM,4.7K,0.1W,5%	(sm0603)
1	1	1	1	R373	16167399	RES-SM,47K,0.1W,5%	(sm0603)
-	-	-	-	R374	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R375	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	-	R376	16167383	RES-SM,10K,0.1W,5%	(sm0603)
-	-	-	-	R377	16167383	RES-SM,10K,0.1W,5%	(sm0603)
1	1	1	1	R416	16237860	RES-SM,44.2K 0.1W 1%	(sm0603)
1	1	1	1	R417	16237866	RES-SM,51.1K0.1 W1%	(sm0603)

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER: 24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		110F 17		H	

MG/ECT3

A	A	A	A	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD S/A-SM2

ASSEMBLY							
28239686	28239693	28239698	28239703	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
REV							
A	A	A	A				
1	1	1	1	R423	16237850	RES-SM,34.8K,0.1W,1%	(sm0603)
1	1	1	1	R426	16167431	RES-SM,1.0M,0.1W,5%	(sm0603)
1	1	1	1	U1	09402101	IC-TRANSCEIVER, TJA10	(so14s1.27_03.80...)
1	1	1	1	U2	16236093	IC-TRANSCEIVER	(so08s1.27_03.80...)
1	1	1	1	U6	28020539	IC-32KEEPROMI2C,MIR	(so08s1.27_03.70...)
1	1	1	1	U7	28079414	IC-LOGIC, TSSOP16	(so16s0.65_04.30...)
-	-	-	-	U9	21004258	IC-LIN,2.9V RESET	(sot23-5L)
1	1	1	1	U11	21003548	IC-LIN, 1.3V RESET	(sot23-5L)
1	1	1	1	U17	16246450	IC-BA14741F	(so14s1.27_04.20...)
1	1	1	1	U23	28073989	IC HSD,BD2051AFJ, 1-C	(so08s1.27_03.70...)
-	-	-	-	U24	28022490	IC-M25P40V,SERFLASH,L	(so08s1.27_03.80...)
1	1	1	1	U28	09395859	IC-LOGIC,SC70-5L	(sot353)
1	1	1	1	U30	09401510	IC-ADC,TLV1548IDB	(so20s0.65_05.00...)
1	1	1	1	U31	28079414	IC-LOGIC, TSSOP16	(so16s0.65_04.30...)
1	1	1	1	U33	09401510	IC-ADC,TLV1548IDB	(so20s0.65_05.00...)
1	1	1	1	Z4	09397191	NETWORK-10K OHM	(sm1206r_array)
1	1	1	1	1	MA010378051	MA-SOLDER	
O01	O01	O01	O01	2	MA010378060	MA-SOLDER	
1	1	1	1	3	28239687	CIR BD-MAIN, RMID	

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

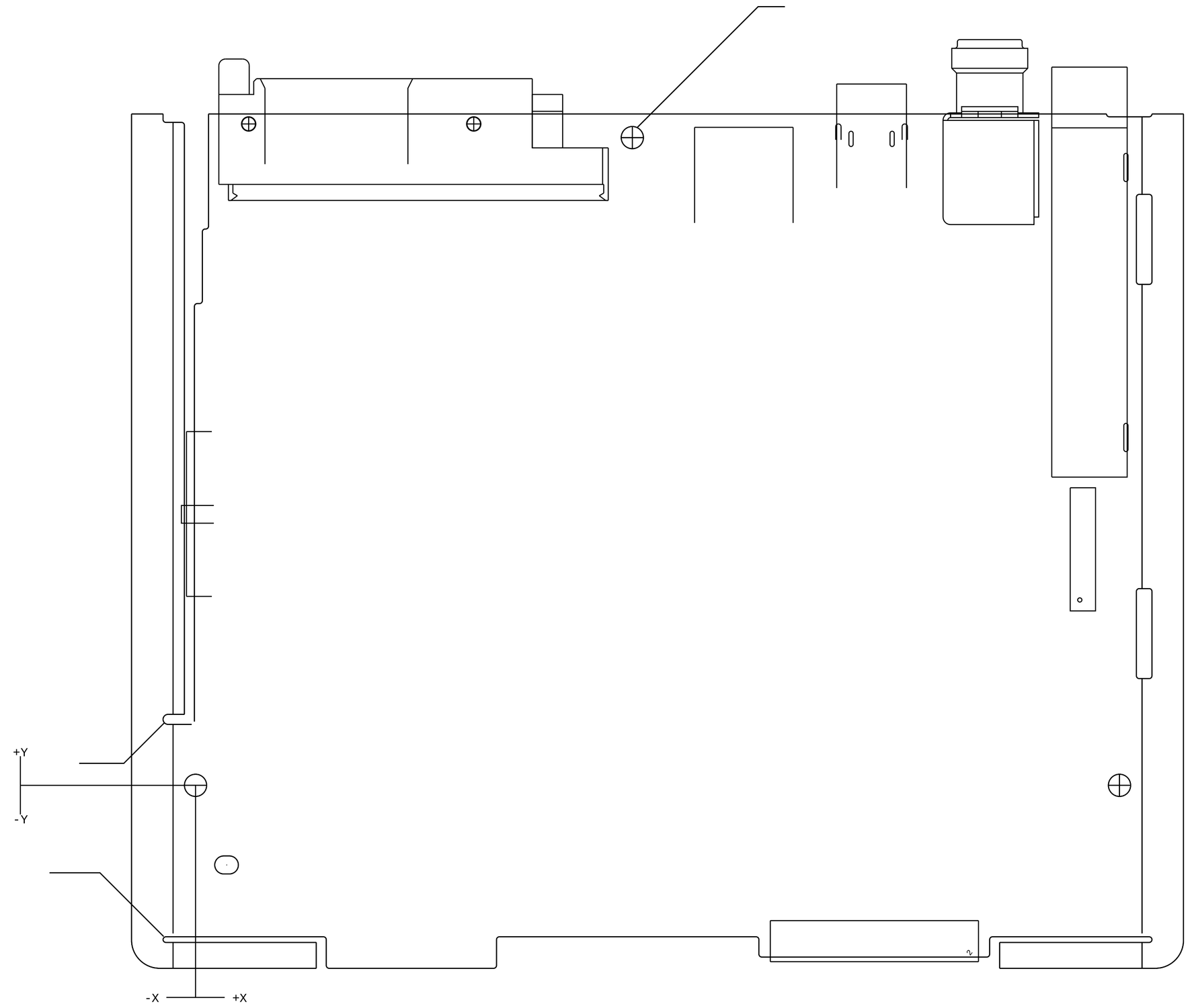
*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER 24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		12OF 17		H	



CIR BD S/A-HP1
VIEWED FROM SIDE 1
HIDDEN LINES NOT SHOWN

1. I.F. TRANSFORMERS ARE ORIENTATED PER SZDR.
2. ICS ARE MOUNTED WITH PIN ONE AS SHOWN.
3. SOLDER COMPONENT LEADS SECURELY TO CIRCUIT BOARD WITH M-9340-4 OR OPT M-9340-32 AND M-9058-34 OR OPT M-9058-68. TOUCH UP AS REQUIRED WITH M-9344-19 OR OPT M-9344-40. SOLDERING TO BE PERFORMED PER PROCESS SPECIFICATION.
4. SEE FOLLOWING SHEETS FOR CONFORMAL COATING REQUIREMENTS.
5. THIS ASSEMBLY IS ELECTROSTATIC DISCHARGE (ESD) SENSITIVE.
6. THE FOLLOWING ARE LOCATED WITHIN GES: MENTOR NEUTRAL FILE (MENV#R#) UNDER THE CIRCUIT BOARD PART NUMBER AND THE CHIP X-YS (H1RV#R#, H1DV#R#) ARE LOCATED UNDER THE ASSEMBLY NUMBER.
7. THE ORIGIN OF THROUGH COMPONENTS SHALL BE PIN ONE OR THE LOWEST ALPHANUMERIC PIN.
8. ITEM 9 (SCREWS - QTY 2) TO BE ADDED TO SDAR MODULE (ITEM U13) PER WORK INSTRUCTIONS.
9. THE TWISTING DIRECTION ON ALL THE TABS OF THE CIRCUIT BOARD SHALL BE PERFORMED COUNTER-CLOCKWISE (VIEWED FROM THE TOP SIDE OF THE CIRCUIT BOARD).
10. J5 TO BE USED ONLY FOR THE JTAG CONNECTION TO THE OMAP (U3) MICROPROCESSOR.
11. J4 TO BE APPLIED TO BOTTOM SIDE OF BOARD ONLY FOR SIRIUS UNITS SUBMITTED FOR TYPE ACCEPTANCE. CONSULT THE SCHEMATIC FOR THE ORDER OF THE 10-PIN CONNECTOR.
12. CONNECTIONS TO WT1, WT2 & WT3 TO BE USED ONLY TO MAKE TYPE ACCEPTANCE TO XM MODELS. CONSULT THE SCHEMATIC FOR DETAILS ON THE CONNECTION.

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		13OF 17		H	

F	F	F	F	24090330	CHART-CIR BD, MAIN
A	A	A	A	28239687	CIR BD-MAIN, RMID
B	B	B	B		
28239684	28239691	28239696	28239701		

REV

ASSEMBLY

CIR BD S/A-HP1

REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
1	1	1	1	FL1	16059317	FILTER-CERAMIC 10.7	(can09.00x04.00d...)
1	1	1	1	J3	28037982	HEADER 30 POS, F,R/A,	(he30_37.20x07.4...)
-	-	-	-	J4	16197826	HEADER-10 COND,MALE	(he10_22.20x04.8...)
-	-	-	-	J5	09395105	HEADER-14 COND	(he14_18.05x05.1...)
1	1	1	1	J7	28067373	CIR BD ASM-CMP,ISO V3	(asm_69.20x22.30...)
1	1	1	1	J9	28103278	USB CONN. 5-P,F,R/A,T	(he05_usb_281032...)
1	1	1	1	L12	16209416	CHOKE-A LINE,40UH	(box24.2x17.0s11...)
1	1	1	1	MC1	28116908	BRACKET-QBA	(brkt_28045028)
1	1	1	1	P1	28008984	SOCKET ASM-ANTENNA	(ant_28008984)
O01	O01	O01	O01	P1	28132545	SOCKET ASM-ANTENNA	(ant_28008984)
1	1	1	1	T1	09353502	XFMR-FM/RF	(xfmr06_07.80x07...)
1	1	1	1	T2	16251507	XFMR-10.7, IF, AM	(xfmr06_07.80x07...)
-	-	1	-	U13	28245855	MODULE ASM-XM/33/NA	(asm_72.90x13.40...)
-	-	-	-	U13	28076762	MODULE ASM-XM/SM/ACT	(asm_72.90x13.40...)
-	-	-	1	U13	28237814	MODULE ASM-SIR/3.3V/P	(asm_72.90x13.40...)
1	1	1	1	U29	28110656	IC- TB2902HQ(O,D) QUA	(to220_25_d0.73s...)
-	-	-	-	WT1	STICKPOINT		(sp20awg_bom)
-	-	-	-	WT2	STICKPOINT		(sp20awg_bom)
-	-	-	-	WT3	STICKPOINT		(sp20awg_bom)
1	1	1	1	1	MA009058034	MA-FLUX	
O01	O01	O01	O01	2	MA009058068	MA-FLUX	
1	1	1	1	3	MA009340004	MA-SOLDER	
O01	O01	O01	O01	4	MA009340032	MA-SOLDER	
1	1	1	1	5	MA009344019	MA-SOLDER	
O01	O01	O01	O01	6	MA009344040	MA-SOLDER	
1	1	1	1	7	MA010573004	MA-CONFORMAL COAT	
1	-	-	-	8	28239685	CIR BD S/A-SM1,MID	
-	1	-	-	9	28239692	CIR BD S/A-SM1,BT	
-	-	1	-	10	28239697	CIR BD S/A-SM1,XM	
-	-	-	1	11	28239702	CIR BD S/A-SM1,SR	

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER 24090330

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		14OF 17		H	

MG/ECT3

H	H	H	G	24090330	CHART-CIR BD, MAIN	LAST AFFECTED
A	A	A	A	28239687	CIR BD-MAIN, RMID	BY REVISION

CIR BD ASM-CMP

ASSEMBLY							
REV	G	G	G	F			
	28239683	28239690	28239695	28239700	REF DES	PART NUMBER	DESCRIPTION	*PACKAGE
	REF	REF	REF	REF	1	24090545	SCH DIAG-MAIN, RMID	
	REF	REF	REF	REF	2	24090330	CHART-CIR BD, MAIN	
	1	-	-	-	3	28239684	CIR BD S/A-HP1,MID	
	-	1	-	-	4	28239691	CIR BD S/A-HP1,BT	
	-	-	1	-	5	28239696	CIR BD S/A-HP1,XM	
	-	-	-	1	6	28239701	CIR BD S/A-HP1,SR	

LEGEND:

USED = 1	NOT USED = - (DASH)	OPTIONAL = O##	REFERENCE = REF

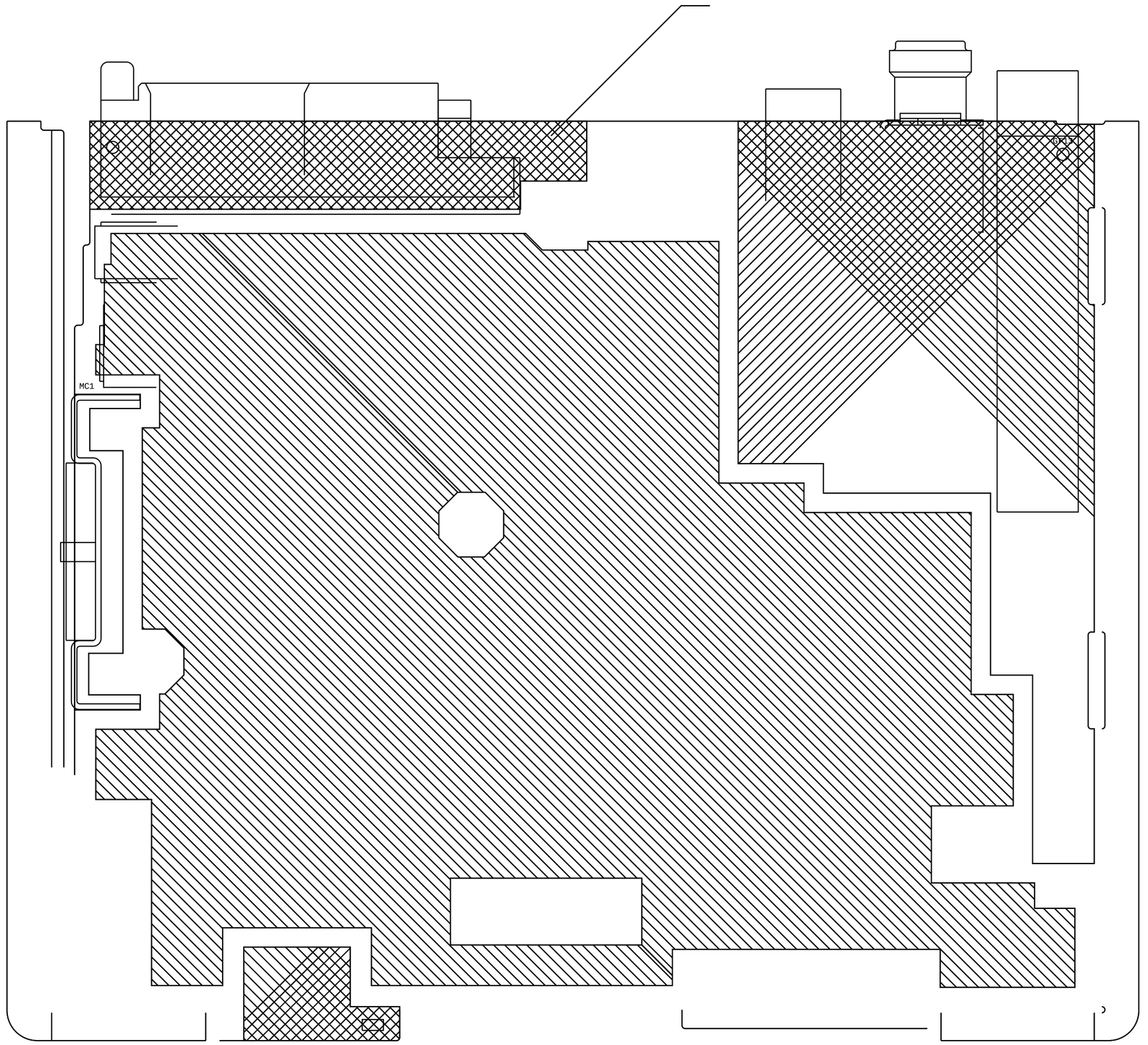
*NOTE:

If Package name is not available, then up to 15 characters of the geometry name will appear in parentheses

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		15OF 17		H	

MG/ECT3



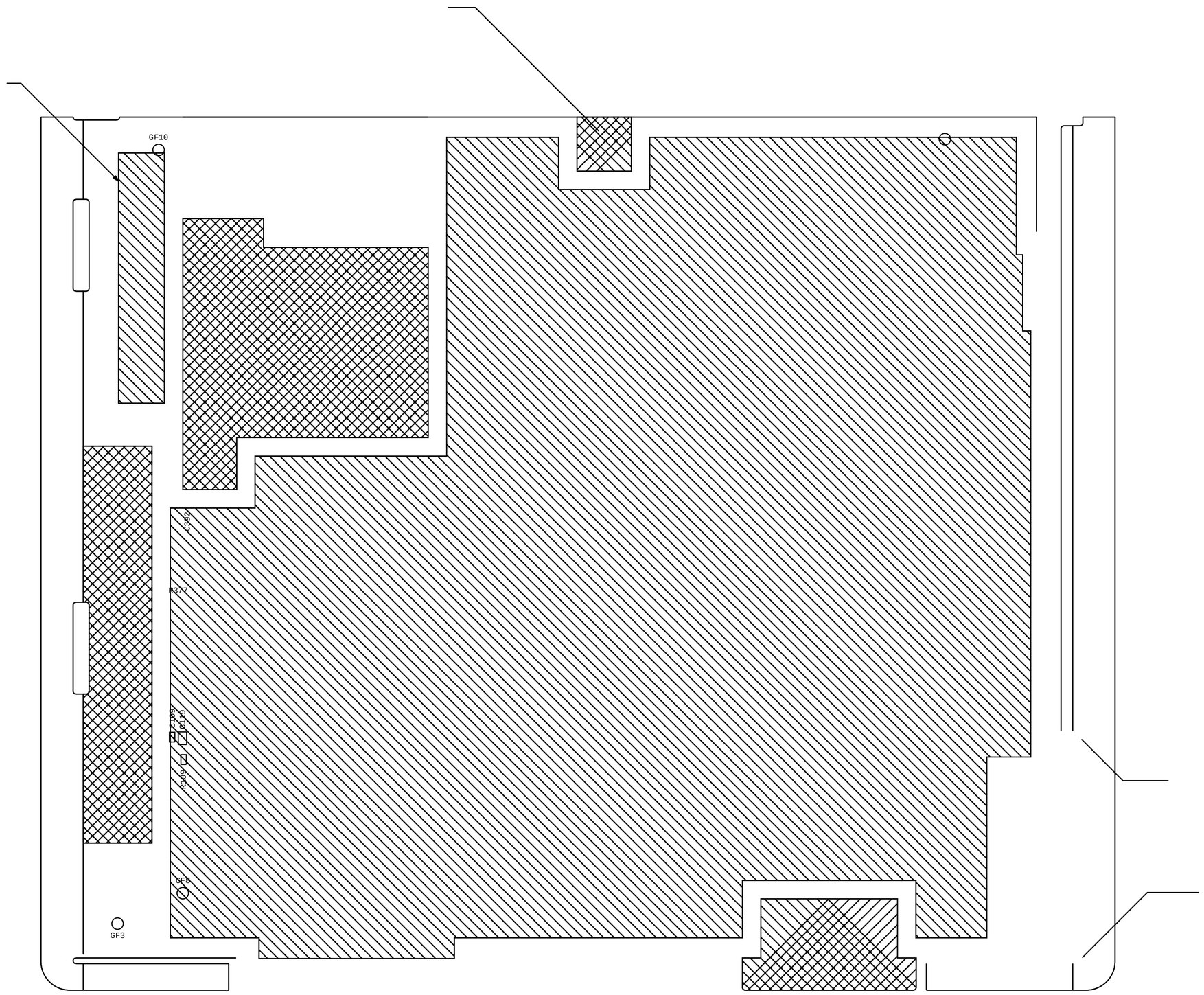
COATING
VIEWED FROM SIDE 1
HIDDEN LINES NOT SHOWN

1. CONFORMAL COAT AND INSPECT PER QUALITY PLAN USING APPROVED MATERIAL M-10573-4 2.
AREAS MARKED WITH THIS PATTERN ARE TO BE CONFORMAL COATED
3. AREAS MARKED WITH THIS PATTERN ARE TO BE FREE FROM CONFORMAL COATING
4. ALL UNDEFINED AREAS ARE LEFT TO THE DISCRETION OF MANUFACTURING WHETHER COATING GETS APPLIED OR NOT
5. FINAL ASSEMBLY SHALL MEET WORKMANSHIP STANDARDS FOR CONFORMAL COATING
6. BOARD ASSEMBLY SHALL MEET DELCO ELECTRONICS SYSTEMS WORKMANSHIP STANDARDS FOR CONFORMAL COATING

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		16OF 17		H	

MG/ECT3



COATING
VIEWED FROM SIDE 2
HIDDEN LINES NOT SHOWN

1. CONFORMAL COAT AND INSPECT PER QUALITY PLAN USING APPROVED MATERIAL M-10573-4 2.
AREAS MARKED WITH THIS PATTERN ARE TO BE CONFORMAL COATED
3. AREAS MARKED WITH THIS PATTERN ARE TO BE FREE FROM CONFORMAL COATING
4. ALL UNDEFINED AREAS ARE LEFT TO THE DISCRETION OF MANUFACTURING WHETHER COATING GETS APPLIED OR NOT
5. FINAL ASSEMBLY SHALL MEET WORKMANSHIP STANDARDS FOR CONFORMAL COATING
6. BOARD ASSEMBLY SHALL MEET DELCO ELECTRONICS SYSTEMS WORKMANSHIP STANDARDS FOR CONFORMAL COATING

SHEET ONE (1) MUST BE SUPPLIED

DRAWING NUMBER						
24090330						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	NA		17OF 17		H	