

- NOTES : UNLESS OTHERWISE SPECIFIED
1. MANUFACTURE IN ACCORDANCE WITH IPC-6012, TYPE 3, CLASS 2.
 2. END PRODUCT FEATURES SHALL NOT VARY MORE THAN 20% FROM ARTWORK ORIGINALS.
 3. MATERIAL SHALL BE COPPER CLAD FR-4, NEMA GRADE PER IPC-4101, COLOR NATURAL.
 4. CONSTRUCTION SHALL BE SYMMETRICAL MULTILAYER PER LAYER STACKUP DETAIL.
 5. OUTER SIGNAL LAYERS ARE IMPEDANCE CONTROLLED TO 50 OHMS.
 6. COPPER WEIGHT ON INNER LAYERS SHALL BE 1 OZ./SQ. FT..
 7. EQUIVALENT COPPER WEIGHT ON OUTER LAYERS SHALL BE 1.5 OZ./SQ. FT. AFTER PLATING.
 8. ALL PLATED THROUGH HOLES SHALL HAVE A MINIMUM OF 0.001" COPPER.
 9. DRILL HOLE TOLERANCE AFTER PLATING SHALL BE +/- .003".
 10. MINIMUM ANNULAR RING SHALL BE 0.001".
 11. MINIMUM ANNULAR RING AT EMERGENT CONDUCTORS SHALL BE 0.003".
 12. PCB THICKNESS SHALL BE 0.062" +/- 0.007".
 13. WARP/TWIST SHALL NOT EXCEED .010 INCH PER INCH.
 14. FINISH SHALL BE LPI, GREEN SMOBC, BOTH SIDES, OVER IMMERSION GOLD PLATE.
 15. 90 ohm DIFFERENTIAL IMPEDANCE REQUIREMENT FOR 7mil TRACES WITH 8mil SPACES ON TOP AND BOTTOM COPPER LAYERS.
 15. SILKSCREEN WITH NONCONDUCTIVE WHITE EPOXY INK.
 16. REFERENCE ADDITIONAL FAB NOTES IN FILE MOTFBINP.577

LAYER STACKUP

TOP SILKSCREEN
TOP SOLDER MASK
COMPONENT SIDE
VCC PLANE
INTERNAL 1
INTERNAL 2
INTERNAL 3
INTERNAL 4
GND PLANE
SOLDER SIDE
BOTTOM SOLDER MASK
BOTTOM SILKSCREEN

SCALE: NONE

FILE NAMES

MOTTSS.577
MOTTSM.577
MOTCOMP.577
MOTVCC.577
MOTINT1.577
MOTINT2.577
MOTINT3.577
MOTINT4.577
MOTGND.577
MOTSOLD.577
MOTBSM.577
MOTBSS.577

SIZE	QTY	SYM	PTLD	TOOL	TOL
8	206	+	P	1	+0.002/-0.008
15	1264	X	P	2	+0.002/-0.006
32	103	□	P	3	+/-0.003
40	233	◇	P	4	+/-0.003
50	12	⊠	P	5	+/-0.003
65	12	⊠	P	6	+/-0.003
67	12	A	NP	7	+/-0.003
70	9	B	P	8	+/-0.003
94	1	C	NP	9	+/-0.003
125	12	D	P	10	+/-0.003
128	2	E	NP	11	+/-0.003
138	24	F	NP	12	+/-0.003
140	1	G	P	13	+/-0.003
40 x 75	2	◇	P		+/-0.003
32 x 94	1	□	P		+/-0.003

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Artwork for: FREESCALE

Board Name: MCF5329 Validation Board		Part Number: Rev. F	
Job No.: MOT.577	Description: DRILL DRAWING		Date: 03-27-06