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D	<p>NOTES: UNLESS OTHERWISE SPECIFIED.</p> <p>1. FABRICATE PER IPC-6012A CLASS 2.</p> <p>2. MATERIAL: DIELECTRIC: FR4 WITH MIN TG 180 DEGREE C[IPC-4101C/126] COPPER: AS PER STACKUP U.L. PLATING: 847-0 MINIMUM</p> <p>3. SURFACE FINISH: ENIG</p> <p>4. SOLDER MASK MATERIAL SHALL MEET ALL THE REQUIREMENTS OF IPC-SM-840C AND SHALL BE RED IN COLOR AND APPLIED OVER BARE COPPER.</p> <p>5. SILK SCREEN LEGEND TO BE APPLIED PER LAYER STACKUP USING WHITE NON-CONDUCTIVE EPOXY INK.</p> <p>6. 100% CONTINUITY TESTING USING DATABASE NETLIST SHALL BE PERFORMED. VENDOR TO IDENTIFY TEST PASSED IN SECONDARY SIDE.</p> <p>7. MARK DATE CODE AND MANUFACTURES IDENTIFICATION ON SOLDER SIDE PER IPC-6011 AND IPC-6012.</p> <p>8. BOW AND TWIST SHALL NOT EXCEED 0.1% OF LONGEST SIDE.</p> <p>9. DIELECTRICS AND LINEWIDTHS MAY BE ADJUSTED TO MEET THE IMPEDANCE REQUIREMENTS.</p> <p>10. MINIMUM CONDUCTOR WIDTH: 5 MILS MINIMUM SPACING: 5.5 MILS</p> <p style="text-align: center;"> CAUTION SENSITIVE ELECTRONIC DEVICES-CLASS 1</p>									D																																																																				
C	<p style="text-align: center;">DIFFERENTIAL IMPEDANCE DETAILS</p> <table border="1"><thead><tr><th>LAYER NO.</th><th>CONDUCTOR WIDTH</th><th>SPACING</th><th>IMPEDANCE</th><th>TOLERANCE</th></tr></thead><tbody><tr><td>1</td><td>5 MILS</td><td>5.648 MILS</td><td>90E</td><td>±/-10%</td></tr><tr><td>4</td><td>5 MILS</td><td>5.648 MILS</td><td>90E</td><td>±/-10%</td></tr></tbody></table> <p style="text-align: center;">SINGLE ENDED IMPEDANCE DETAILS</p> <table border="1"><thead><tr><th>LAYER NO.</th><th>CONDUCTOR WIDTH</th><th>IMPEDANCE</th><th>TOLERANCE</th></tr></thead><tbody><tr><td>1</td><td>5.99 MILS</td><td>50E</td><td>±/-10%</td></tr><tr><td>4</td><td>5.99 MILS</td><td>50E</td><td>±/-10%</td></tr></tbody></table> <p style="text-align: center;">DRILL CHART: TOP TO BOTTOM ALL UNITS ARE IN MILS</p> <table border="1"><thead><tr><th>FIGURE</th><th>SIZE</th><th>TOLERANCE</th><th>PLATED</th><th>QTY</th></tr></thead><tbody><tr><td>A</td><td>10.0</td><td>+3.0/-3.0</td><td>PLATED</td><td>42</td></tr><tr><td>B</td><td>12.0</td><td>+3.0/-3.0</td><td>PLATED</td><td>08</td></tr><tr><td>C</td><td>40.0</td><td>+3.0/-3.0</td><td>PLATED</td><td>4</td></tr><tr><td>D</td><td>41.0</td><td>+3.0/-3.0</td><td>PLATED</td><td>6</td></tr><tr><td>E</td><td>35.0</td><td>+3.0/-3.0</td><td>NON-PLATED</td><td>2</td></tr><tr><td>F</td><td>163.0</td><td>+3.0/-3.0</td><td>NON-PLATED</td><td>4</td></tr></tbody></table> <p style="text-align: center;"></p> <p style="text-align: center;">CHANGES</p> <table border="1"><thead><tr><th>DATE</th><th>BY</th><th>REASON</th></tr></thead><tbody><tr><td>08/18/2015</td><td>ISLAVSEVALIZ</td><td>REV. 2.0</td></tr></tbody></table> <p style="text-align: center;">PART NO: ISLAVSEVALIZ Rev. B FILM LAYER: FABRICATION LAYER</p> <p style="text-align: right;">LAYER STACK-UP</p> <p>----- PRIMARY SIDE: SILK SCREEN ----- PRIMARY SIDE: SOLDER MASK : 2 MIL ----- PRIMARY SIDE: LAYER 1 : COPPER THICKNESS 1.991 MIL ----- DIELECTRIC : 3.696 MIL ----- INNER PLANE LAYER: LAYER 2 COPPER THICKNESS 1.260 MIL ----- DIELECTRIC : 47.244 MIL ----- INNER PLANE LAYER: LAYER 3 COPPER THICKNESS 1.260 MIL ----- DIELECTRIC : 3.696 MIL ----- SECONDARY SIDE: LAYER 4 : COPPER THICKNESS 1.991 MIL ----- SECONDARY SIDE: SOLDER MASK : 2 MIL ----- SECONDARY SIDE: SILK SCREEN</p>									LAYER NO.	CONDUCTOR WIDTH	SPACING	IMPEDANCE	TOLERANCE	1	5 MILS	5.648 MILS	90E	±/-10%	4	5 MILS	5.648 MILS	90E	±/-10%	LAYER NO.	CONDUCTOR WIDTH	IMPEDANCE	TOLERANCE	1	5.99 MILS	50E	±/-10%	4	5.99 MILS	50E	±/-10%	FIGURE	SIZE	TOLERANCE	PLATED	QTY	A	10.0	+3.0/-3.0	PLATED	42	B	12.0	+3.0/-3.0	PLATED	08	C	40.0	+3.0/-3.0	PLATED	4	D	41.0	+3.0/-3.0	PLATED	6	E	35.0	+3.0/-3.0	NON-PLATED	2	F	163.0	+3.0/-3.0	NON-PLATED	4	DATE	BY	REASON	08/18/2015	ISLAVSEVALIZ	REV. 2.0	C
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