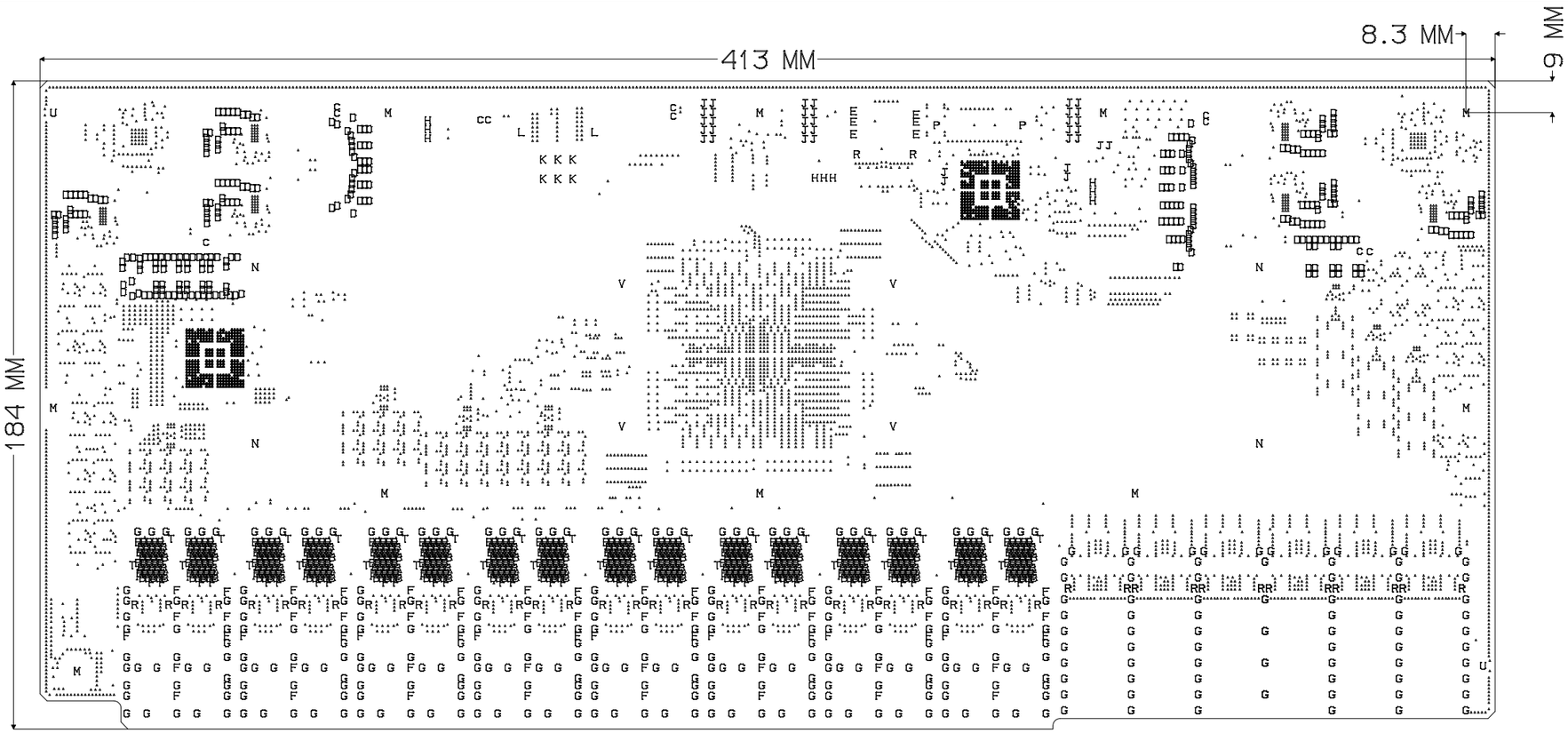


Through Holes All Drills (unless specified) +/- 0.05 (MM)					
Symbol	Diameter	Tolerance	Plated	Quantity	Comments
A			Yes	624	INITIAL DRILL 0.25. FINISHED VIA WALLS SHALL COMPLY TO IPC-6012(C) CLASS 2, IPC-A-600H CLASS 2
Δ			Yes	6623	INITIAL DRILL 0.3. FINISHED VIA WALLS SHALL COMPLY TO IPC-6012(C) CLASS 2, IPC-A-600H CLASS 2
B	0.45	+/- 0.05	Yes	842	
C	0.55	+/- 0.05	Yes	12	
D	0.64	+0.05 / -0.03	Yes	327	
E	0.93	+/- 0.05	Yes	8	
F	0.95	+/- 0.05	Yes	98	
G	1.05	+/- 0.05	Yes	348	INITIAL DRILL 1.05 +/-0.02
H	1.12	+/- 0.05	Yes	2	
J	1.30	+0.10 / -0.03	Yes	36	
K	1.82	+/- 0.05	Yes	8	
L	3.02	+/- 0.05	Yes	2	
M	3.22	+/- 0.10	Yes	16	
N	3.70	+/- 0.10	Yes	4	
P	1.22	+0.05 / -0.03	No	2	
R	1.85	+/- 0.05	No	48	
T	1.85	+/- 0.05	No	32	
U	3.02	+/- 0.05	No	2	
V	0.50	+0.10	No	4	

PARAMETERS FOR PCB MANUFACTURING

1.0 FOLLOW MELLANOX SOW. IN CASE OF CONFLICT REFER TO THE FAB NOTES BELOW.
2.0 ARTWORK SUPPLIED MARKED , PCB000952 NO OF LAYERS: 18
3.0 SPEC: IPC 6012 Class 2, 6016, IPC 600 Class 2, IPC-TM-650
4.0 FOR HOLES DIAMETER, PLATING AND SYMBOLS SEE DRILL TABLE.
DIAMETER SPECIFIED IN DRILL TABLE ARE FOR THE FINISHED PCB (AFTER ALL PLATING PROCESS).
5.0 BACKDRILLING SHOULD BE IMPLEMENTED FROM C.S. AND P.S. USING ATTACHED FILES :
PCB000952_BACK_DRILL_CS_3-DRILL FROM CS;TARGET LAYER-L2;MC(MUST CUT)-L1;MNC(MUST NOT CUT)-L3
PCB000952_BACK_DRILL_CS_5-DRILL FROM CS;TARGET LAYER-L4;MC-L3;MNC-L5
PCB000952_BACK_DRILL_CS_12-DRILL FROM CS;TARGET LAYER-L11;MC-L10;MNC-L12
PCB000952_BACK_DRILL_CS_14-DRILL FROM CS;TARGET LAYER-L13;MC-L12;MNC-L14
PCB000952_BACK_DRILL_CS_16-DRILL FROM CS;TARGET LAYER-L15;MC-L14;MNC-L16
PCB000952_BACK_DRILL_PS_3-DRILL FROM PS;TARGET LAYER-L4;MC-L5;MNC-L3
PCB000952_BACK_DRILL_PS_5-DRILL FROM PS;TARGET LAYER-L6;MC-L7;MNC-L5
PCB000952_BACK_DRILL_PS_9-DRILL FROM PS;TARGET LAYER-L10;MC-L11;MNC-L9
PCB000952_BACK_DRILL_PS_12-DRILL FROM PS;TARGET LAYER-L11;MC-L10;MNC-L12
PCB000952_BACK_DRILL_PS_14-DRILL FROM PS;TARGET LAYER-L15;MC-L16;MNC-L14
PCB000952_BACK_DRILL_PS_16-DRILL FROM PS;TARGET LAYER-L17;MC-L18;MNC-L16
6.0 DIMENSIONS: SEE MECHANICAL OUTLINE
THE TOLERANCE FOR THE MECHANICAL DIMENSIONS SHALL BE +/-0.127MM
7.0 SEE PCB000952_STACKUP FILE FOR STACKUP DEFINITIONS
8.0 SOLDERMASK: PHOTOIMAGEBLE PER IPC-SM-840. MAT FINISH. COLOR GREEN
9.0 FINISH: IMMERSION SILVER PER IPC 4553. FINISH THICKNESS: 0.2-0.3 UM RECOMMENDED, 0.12 UM MINIMUM
10.0 SILKSCREEN PRINTING IN WHITE EPOXY INK ON BOTH SIDES
NO SMEARING OR COVERED PADS ALLOWED
11.0 SEE TABLE 1 FOR INTENTIONAL SHORTED NETS

TABLE 1-INTENTIONAL SHORTED NETS
GND_ANALOG_1_2V1
GND_ANALOG_3_3V1
GND_ANALOG_3_3V2
GND_ANALOG_1_8V1
GND_ANALOG_VC1
GND_ANALOG_VC2
GND_VSSPLL1
GND_VSSPLL0
GND_VSSPLLPX
GND_VSSCPA
GND

APPROVALS	
DRAWN ZAK.M	DATE 19.05.15
CHECKED	DATE
APPROVED	DATE

MELLANOX TECHNOLOGIES LTD.

FABRICATION DRAWING
PCB000952

SIZE	CAGE CODE	DWG NO.	REV
A2		PCB000952	00
SCALE 1.0 = 1.0		SHEET 1 OF 1	

SH 1
REV