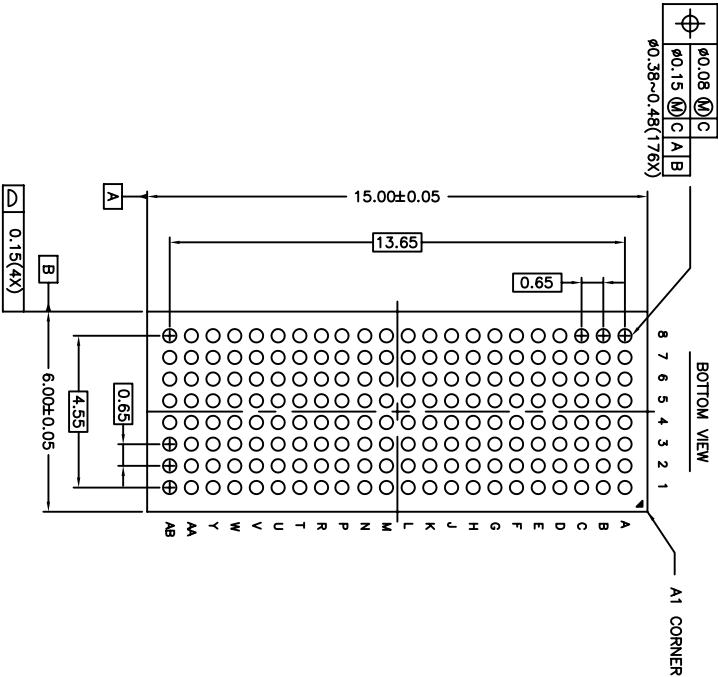
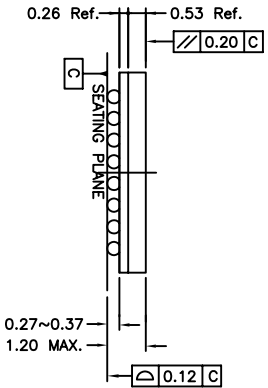
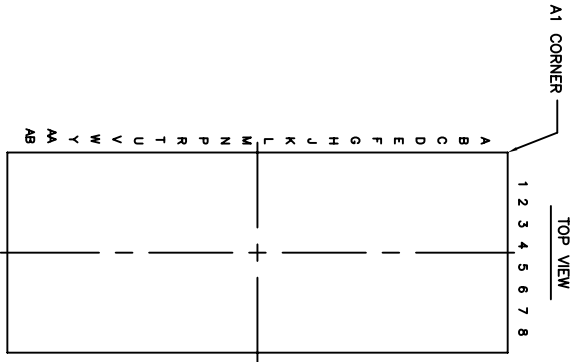


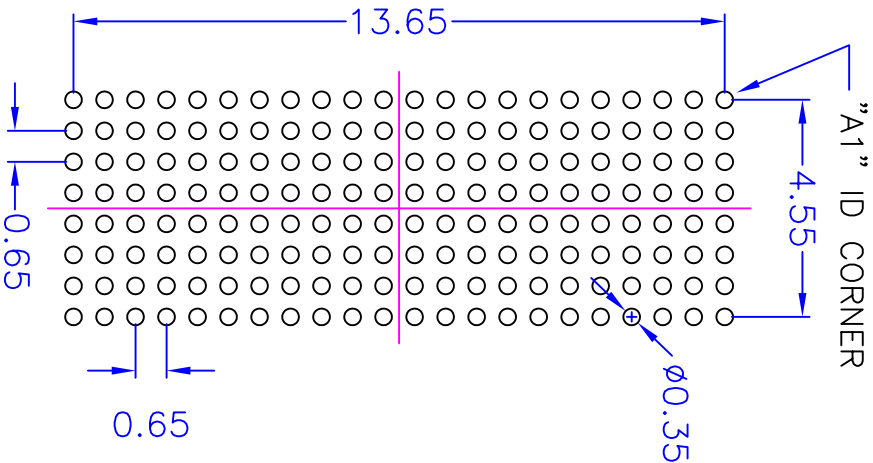
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02	ADD "GREEN" BKG NOMENCLATURE	10/19/04	TU VU
03	COMBINE POD & LAND PATTERN	06/21/13	KS



Ball Pitch :	0.65	Substrate Thickness :	0.26
Ball Diameter :	0.40	Mold Thickness :	0.53

TOLERANCES UNLESS SPECIFIED			
DECIMAL	ANGULAR	XX±	XXX±
0.02	0.05	0.05	0.05
0.05	0.10	0.10	0.10
0.10	0.15	0.15	0.15
0.15	0.20	0.20	0.20
0.20	0.25	0.25	0.25
0.25	0.30	0.30	0.30
0.30	0.35	0.35	0.35
0.35	0.40	0.40	0.40
0.40	0.45	0.45	0.45
0.45	0.50	0.50	0.50
0.50	0.55	0.55	0.55
0.55	0.60	0.60	0.60
0.60	0.65	0.65	0.65
0.65	0.70	0.70	0.70
0.70	0.75	0.75	0.75
0.75	0.80	0.80	0.80
0.80	0.85	0.85	0.85
0.85	0.90	0.90	0.90
0.90	0.95	0.95	0.95
0.95	1.00	1.00	1.00
1.00	1.05	1.05	1.05
1.05	1.10	1.10	1.10
1.10	1.15	1.15	1.15
1.15	1.20	1.20	1.20
1.20	1.25	1.25	1.25
1.25	1.30	1.30	1.30
1.30	1.35	1.35	1.35
1.35	1.40	1.40	1.40
1.40	1.45	1.45	1.45
1.45	1.50	1.50	1.50
1.50	1.55	1.55	1.55
1.55	1.60	1.60	1.60
1.60	1.65	1.65	1.65
1.65	1.70	1.70	1.70
1.70	1.75	1.75	1.75
1.75	1.80	1.80	1.80
1.80	1.85	1.85	1.85
1.85	1.90	1.90	1.90
1.90	1.95	1.95	1.95
1.95	2.00	2.00	2.00
2.00	2.05	2.05	2.05
2.05	2.10	2.10	2.10
2.10	2.15	2.15	2.15
2.15	2.20	2.20	2.20
2.20	2.25	2.25	2.25
2.25	2.30	2.30	2.30
2.30	2.35	2.35	2.35
2.35	2.40	2.40	2.40
2.40	2.45	2.45	2.45
2.45	2.50	2.50	2.50
2.50	2.55	2.55	2.55
2.55	2.60	2.60	2.60
2.60	2.65	2.65	2.65
2.65	2.70	2.70	2.70
2.70	2.75	2.75	2.75
2.75	2.80	2.80	2.80
2.80	2.85	2.85	2.85
2.85	2.90	2.90	2.90
2.90	2.95	2.95	2.95
2.95	3.00	3.00	3.00
3.00	3.05	3.05	3.05
3.05	3.10	3.10	3.10
3.10	3.15	3.15	3.15
3.15	3.20	3.20	3.20
3.20	3.25	3.25	3.25
3.25	3.30	3.30	3.30
3.30	3.35	3.35	3.35
3.35	3.40	3.40	3.40
3.40	3.45	3.45	3.45
3.45	3.50	3.50	3.50
3.50	3.55	3.55	3.55
3.55	3.60	3.60	3.60
3.60	3.65	3.65	3.65
3.65	3.70	3.70	3.70
3.70	3.75	3.75	3.75
3.75	3.80	3.80	3.80
3.80	3.85	3.85	3.85
3.85	3.90	3.90	3.90
3.90	3.95	3.95	3.95
3.95	4.00	4.00	4.00
4.00	4.05	4.05	4.05
4.05	4.10	4.10	4.10
4.10	4.15	4.15	4.15
4.15	4.20	4.20	4.20
4.20	4.25	4.25	4.25
4.25	4.30	4.30	4.30
4.30	4.35	4.35	4.35
4.35	4.40	4.40	4.40
4.40	4.45	4.45	4.45
4.45	4.50	4.50	4.50
4.50	4.55	4.55	4.55
4.55	4.60	4.60	4.60
4.60	4.65	4.65	4.65
4.65	4.70	4.70	4.70
4.70	4.75	4.75	4.75
4.75	4.80	4.80	4.80
4.80	4.85	4.85	4.85
4.85	4.90	4.90	4.90
4.90	4.95	4.95	4.95
4.95	5.00	5.00	5.00
5.00	5.05	5.05	5.05
5.05	5.10	5.10	5.10
5.10	5.15	5.15	5.15
5.15	5.20	5.20	5.20
5.20	5.25	5.25	5.25
5.25	5.30	5.30	5.30
5.30	5.35	5.35	5.35
5.35	5.40	5.40	5.40
5.40	5.45	5.45	5.45
5.45	5.50	5.50	5.50
5.50	5.55	5.55	5.55
5.55	5.60	5.60	5.60
5.60	5.65	5.65	5.65
5.65	5.70	5.70	5.70
5.70	5.75	5.75	5.75
5.75	5.80	5.80	5.80
5.80	5.85	5.85	5.85
5.85	5.90	5.90	5.90
5.90	5.95	5.95	5.95
5.95	6.00	6.00	6.00
6.00	6.05	6.05	6.05
6.05	6.10	6.10	6.10
6.10	6.15	6.15	6.15
6.15	6.20	6.20	6.20
6.20	6.25	6.25	6.25
6.25	6.30	6.30	6.30
6.30	6.35	6.35	6.35
6.35	6.40	6.40	6.40
6.40	6.45	6.45	6.45
6.45	6.50	6.50	6.50
6.50	6.55	6.55	6.55
6.55	6.60	6.60	6.60
6.60	6.65	6.65	6.65
6.65	6.70	6.70	6.70
6.70	6.75	6.75	6.75
6.75	6.80	6.80	6.80
6.80	6.85	6.85	6.85
6.85	6.90	6.90	6.90
6.90	6.95	6.95	6.95
6.95	7.00	7.00	7.00
7.00	7.05	7.05	7.05
7.05	7.10	7.10	7.10
7.10	7.15	7.15	7.15
7.15	7.20	7.20	7.20
7.20	7.25	7.25	7.25
7.25	7.30	7.30	7.30
7.30	7.35	7.35	7.35
7.35	7.40	7.40	7.40
7.40	7.45	7.45	7.45
7.45	7.50	7.50	7.50
7.50	7.55	7.55	7.55
7.55	7.60	7.60	7.60
7.60	7.65	7.65	7.65
7.65	7.70	7.70	7.70
7.70	7.75	7.75	7.75
7.75	7.80	7.80	7.80
7.80	7.85	7.85	7.85
7.85	7.90	7.90	7.90
7.90	7.95	7.95	7.95
7.95	8.00	8.00	8.00
8.00	8.05	8.05	8.05
8.05	8.10	8.10	8.10
8.10	8.15	8.15	8.15
8.15	8.20	8.20	8.20
8.20	8.25	8.25	8.25
8.25	8.30	8.30	8.30
8.30	8.35	8.35	8.35
8.35	8.40	8.40	8.40
8.40	8.45	8.45	8.45
8.45	8.50	8.50	8.50
8.50	8.55	8.55	8.55
8.55	8.60	8.60	8.60
8.60	8.65	8.65	8.65
8.65	8.70	8.70	8.70
8.70	8.75	8.75	8.75
8.75	8.80	8.80	8.80
8.80	8.85	8.85	8.85
8.85	8.90	8.90	8.90
8.90	8.95	8.95	8.95
8.95	9.00	9.00	9.00
9.00	9.05	9.05	9.05
9.05	9.10	9.10	9.10
9.10	9.15	9.15	9.15
9.15	9.20	9.20	9.20
9.20	9.25	9.25	9.25
9.25	9.30	9.30	9.30
9.30	9.35	9.35	9.35
9.35	9.40	9.40	9.40
9.40	9.45	9.45	9.45
9.45	9.50	9.50	9.50
9.50	9.55	9.55	9.55
9.55	9.60	9.60	9.60
9.60	9.65	9.65	9.65
9.65	9.70	9.70	9.70
9.70	9.75	9.75	9.75
9.75	9.80	9.80	9.80
9.80	9.85	9.85	9.85
9.85	9.90	9.90	9.90
9.90	9.95	9.95	9.95
9.95	10.00	10.00	10.00
10.00	10.05	10.05	10.05
10.05	10.10	10.10	10.10
10.10	10.15	10.15	10.15
10.15	10.20	10.20	10.20
10.20	10.25	10.25	10.25
10.25	10.30	10.30	10.30
10.30	10.35	10.35	10.35
10.35	10.40	10.40	10.40
10.40	10.45	10.45	10.45
10.45	10.50	10.50	10.50
10.50	10.55	10.55	10.55
10.55	10.60	10.60	10.60
10.60	10.65	10.65	10.65
10.65	10.70	10.70	10.70
10.70	10.75	10.75	10.75
10.75	10.80	10.80	10.80
10.80	10.85	10.85	10.85
10.85	10.90	10.90	10.90
10.90	10.95	10.95	10.95
10.95	11.00	11.00	11.00
11.00	11.05	11.05	11.05
11.05	11.10	11.10	11.10
11.10	11.15	11.15	11.15
11.15	11.20	11.20	11.20
11.20	11.25	11.25	11.25
11.25	11.30	11.30	11.30
11.30	11.35	11.35	11.35
11.35	11.40	11.40	11.40
11.40	11.45	11.45	11.45
11.45	11.50	11.50	11.50
11.50	11.55	11.55	11.55
11.55	11.60	11.60	11.60
11.60	11.65	11.65	11.65
11.65	11.70	11.70	11.70
11.70	11.75	11.75	11.75
11.75	11.80	11.80	11.80
11.80	11.85	11.85	11.85
11.85	11.90	11.90	11.90
11.90	11.95	11.95	11.95
11.95	12.00	12.00	12.00
12.00	12.05	12.05	12.05
12.05	12.10	12.10	12.10
12.10	12.15	12.15	12.15
12.15	12.20	12.20	12.20
12.20	12.25	12.25	12.25
12.25	12.30	12.30	12.30
12.30	12.35	12.35	12.35
12.35	12.40	12.40	12.40
12.40	12.45	12.45	12.45
12.45	12.50	12.50	12.50
12.50	12.55	12.55	12.55
12.55	12.60	12.60	12.60
12.60	12.65	12.65	12.65
12.65	12.70	12.70	12.70
12.70	12.75	12.75	12.75
12.75	12.80	12.80	12.80
12.80	12.85	12.85	12.85
12.85	12.90	12.90	12.90
12.90	12.95	12.95	12.95
12.95	13.00	13.00	13.00
13.00	13.05	13.05	13.05
13.05	13.10	13.10	13.10
13.10	13.15	13.15	13.15
13.15	13.20	13.20	13.20
13.20	13.25	13.25	13.25
13.25	13.30	13.30	13.30
13.30	13.35	13.35	13.35
13.35	13.40	13.40	13.40
13.40	13.45	13.45	13.45
13.45	13.50	13.50	13.50
13.50	13.55	13.55	13.55
13.55	13.60	13.60	13.60
13.60	13.65	13.65	13.65
13.65	13.70	13.70	13.70
13.70	13.75	13.75	13.75
13.75	13.80	13.80	13.80
13.80	13.85	13.85	13.85
13.85	13.90	13.90	13.90
13.90	13.95	13.95	13.95
13.95	14.00	14.00	14.00
14.00	14.05	14.05	14.05
14.05	14.10	14.10	14.10
14.10	14.15	14.15	14.15
14.15	14.20	14.20	14.20
14.20	14.25	14.25	14.25
14.25	14.30	14.30	14.30
14.30	14.35	14.35	14.35
14.35	14.40	14.40	14.40
14.40	14.45	14.45	14.45
14.45	14.50	14.50	14.50
14.50	14.55	14.55	14.55
14.55	14.60	14.60	14.60
14.60	14.65	14.65	14.65
14.65	14.70	14.70	14.70
14.70	14.75	14.75	14.75
14.75	14.80	14.80	14.80
14.80	14.85	14.85	14.85
14.85	14.90	14.90	14.90
14.90	14		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02	ADD "GREEN" BKG NOMENCLATURE	10/19/04	TU WU
03	COMBINE POD & LAND PATTERN	06/21/13	KS



RECOMMENDED LAND PATTERN DIMENSION

NOTE:

- 1) ALL dimensions are in mm, Angles in degrees.
- 2) Top down view, as view on PCB.
- 3) NSMD Land Pattern Assumed
- 4) Land Pattern Recommendation as per IPC-7351B generic requirement for surface mount design and Land Pattern.

TOLERANCES UNLESS SPECIFIED			
DECIMAL	ANGULAR		
XX.X			
XXX.X			
APPROVALS	DATE		
DRAWN PSC/P	02/17/04		
CHECKED			
		SIZE	REV
		C	03
		DO NOT SCALE DRAWING	
		SHEET 2 OF 2	

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WWW.IDT.COM
 TITLE BK/BKG 176 PACKAGE OUTLINE
 6 x 15 mm BODY CTBGA
 0.65 mm PITCH