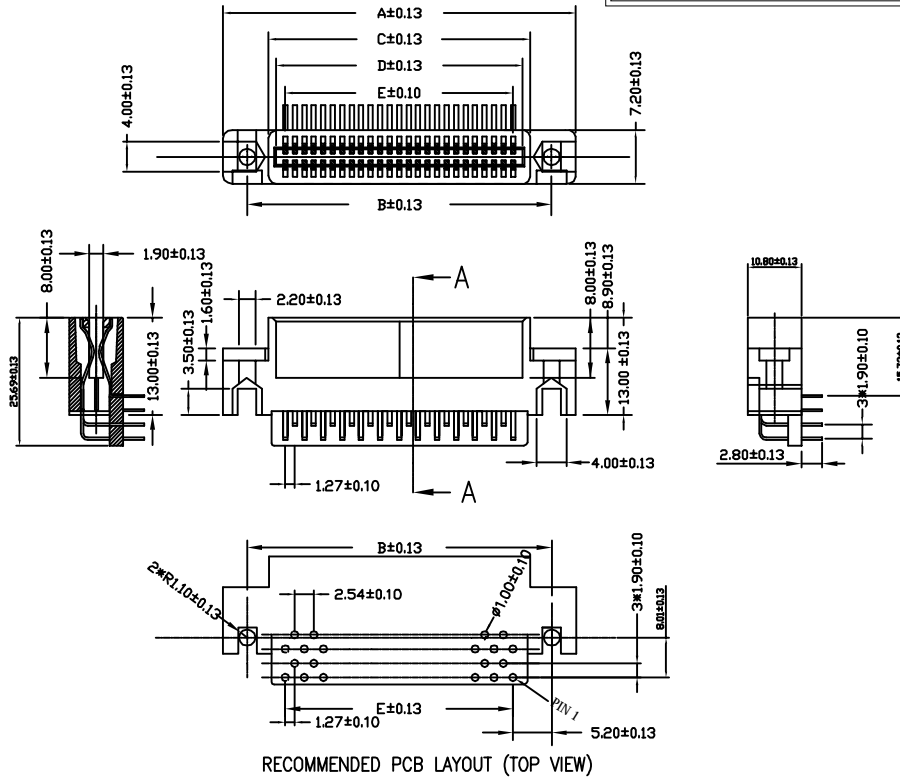


RoHS COMPLIANT



RECOMMENDED PCB LAYOUT (TOP VIEW)

1.27 PITCH CARD EDGE ROW GAP 1.90mm R/A
WITH MOUNTING EAR

PIN	DIMENSION					PIN	DIMENSION				
	A	B	C	D	E		A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08	56	51.06	44.56	38.81	36.83	34.29
12	23.12	16.62	10.87	8.89	6.35	60	53.60	47.10	41.35	39.37	36.83
18	26.93	20.43	14.68	12.70	10.16	62	54.87	48.37	42.62	40.64	38.10
20	28.20	21.70	15.95	13.97	11.43	64	56.14	49.64	43.89	41.91	39.37
22	29.47	22.97	17.22	15.24	12.70	68	58.68	52.18	46.43	44.45	41.91
28	33.28	26.78	21.03	19.05	16.51	70	59.95	53.45	47.70	45.72	43.18
30	34.55	28.05	22.30	20.32	17.78	72	61.22	54.72	48.97	46.99	44.45
32	35.82	29.32	23.57	21.59	19.05	80	66.30	59.80	54.05	52.07	49.53
34	37.09	30.59	24.84	22.86	20.32	90	72.65	66.15	60.40	58.42	55.88
36	38.36	31.86	26.11	24.13	21.59	98	77.73	71.23	65.48	63.50	60.96
38	39.63	33.13	27.38	25.40	22.86	100	79.00	72.50	66.75	64.77	62.23
40	40.90	34.40	28.65	26.67	24.13	110	85.35	78.85	73.10	71.12	68.58
42	42.17	35.67	29.92	27.94	25.40	112	86.62	80.12	74.37	72.39	69.85
44	43.44	36.94	31.19	29.21	26.67	120	91.70	85.20	79.45	77.47	74.93
46	44.71	38.21	32.46	30.48	27.94	124	94.24	87.74	81.99	80.01	77.47
48	45.98	39.48	33.73	31.75	29.21	164	119.64	113.14	107.39	105.41	102.87
50	47.25	40.75	35.00	33.02	30.48	184	132.34	125.84	120.09	118.11	115.57

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.
CURRENT RATING: 1 AMP.
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

a. No. Of Pins

b. Contact Plating

- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold

c. Terminal Type

- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear

DIMENSIONS:

☐ mm [INCH] ☐ INCH [mm] ☒ mm ONLY

UNLESS OTHERWISE SPECIFIED,
GENERAL TOLERANCE:

DECIMALS
X: ±0.38 [0.015]
.X ±0.25 [0.010]
.XX ±0.13 [0.005]

ANGLES
X° ±3°
.X° ±10°

MATERIAL

FINISH

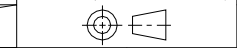
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DO NOT MANUALLY UPDATE

DRAWN BY AND DATE
JUSTIN XING 07-03-06

CHECKED BY AND DATE
JUSTIN XING 07-03-06

APPROVED BY AND DATE
MICHAEL HUANG 07-03-06

THIRD ANGLE PROJECTION



SCALE:
1.5 : 1

SIZE: A3

深圳市广亿联科技有限公司
SHENZHEN GUANGYILIAN TECHNOLOGY CO.,LTD

TITLE
136 SERIES
EDGE CARD CONNECTOR 1.27MM
(0.050")

DRAWING NO.
136-XXXX0

REV
A

FILE NO. SHEET 1 OF 10

RoHS COMPLIANT

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.
CURRENT RATING: 1 AMP.
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \times \frac{X}{b} \times \frac{X}{c}$

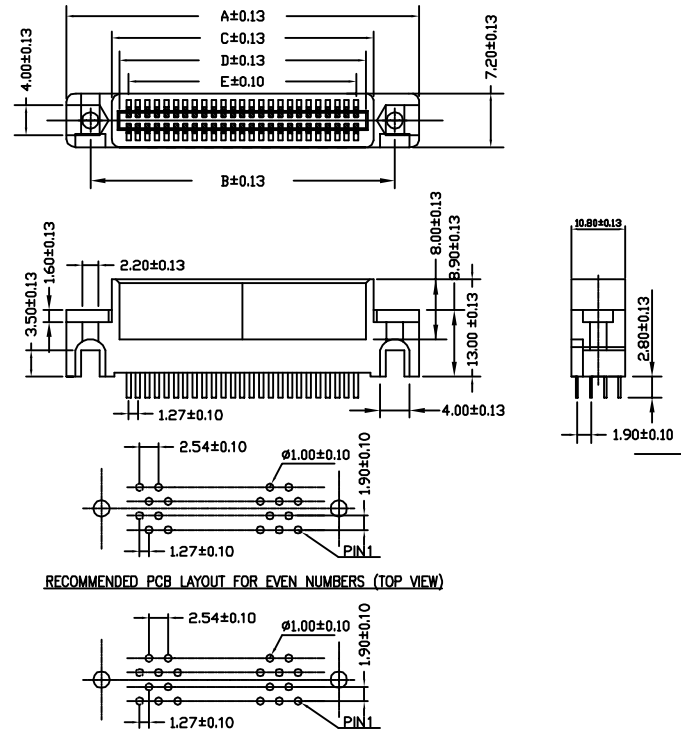
a. No. Of Pins

b. Contact Plating

- 0: Gold Flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold Flash full gold

c. Terminal Type

- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear



RECOMMENDED PCB LAYOUT FOR EVEN NUMBERS (TOP VIEW)

RECOMMENDED PCB LAYOUT FOR ODD NUMBERS (TOP VIEW)

1.27 PITCH CARD EDGE ROW GAP 1.90mm
WITH MOUNTING EAR

PIN	DIMENSION					PIN	DIMENSION				
	A	B	C	D	E		A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08	56	51.06	44.56	38.81	36.83	34.29
12	23.12	16.62	10.87	8.89	6.35	60	53.60	47.10	41.35	39.37	36.83
18	26.93	20.43	14.68	12.70	10.16	62	54.87	48.37	42.62	40.64	38.10
20	28.20	21.70	15.95	13.97	11.43	64	56.14	49.64	43.89	41.91	39.37
22	29.47	22.97	17.22	15.24	12.70	68	58.68	52.18	46.43	44.45	41.91
28	33.28	26.78	21.03	19.05	16.51	70	59.95	53.45	47.70	45.72	43.18
30	34.55	28.05	22.30	20.32	17.78	72	61.22	54.72	48.97	46.99	44.45
32	35.82	29.32	23.57	21.59	19.05	80	66.30	59.80	54.05	52.07	49.53
34	37.09	30.59	24.84	22.86	20.32	90	72.65	66.15	60.40	58.42	55.88
36	38.36	31.86	26.11	24.13	21.59	98	77.73	71.23	65.48	63.50	60.96
38	39.63	33.13	27.38	25.40	22.86	100	79.00	72.50	66.75	64.77	62.23
40	40.90	34.40	28.65	26.67	24.13	110	85.35	78.85	73.10	71.12	68.58
42	42.17	35.67	29.92	27.94	25.40	112	86.62	80.12	74.37	72.39	69.85
44	43.44	36.94	31.19	29.21	26.67	120	91.70	85.20	79.45	77.47	74.93
46	44.71	38.21	32.46	30.48	27.94	124	94.24	87.74	81.99	80.01	77.47
48	45.98	39.48	33.73	31.75	29.21	164	119.64	113.14	107.39	105.41	102.87
50	47.25	40.75	35.00	33.02	30.48	184	132.34	125.84	120.09	118.11	115.57

DIMENSIONS: <input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS X: ±0.38 [0.015] .X: ±0.25 [0.010] .XX: ±0.13 [0.005]		CHECKED BY AND DATE JUSTIN XING 07-03-06 APPROVED BY AND DATE MICHAEL HUANG 07-03-06 THIRD ANGLE PROJECTION		TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
MATERIAL		DRAWING NO. 136-XXXX1		REV A	
FINISH		SCALE: 1.5 : 1		SIZE: A3	
		FILE NO.:		SHEET 2 OF 10	

RoHS COMPLIANT

REVISIONS			
REV	ECN NO.	DESCRIPTION	APPROVED BY

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.
CURRENT RATING: 1 AMP.
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

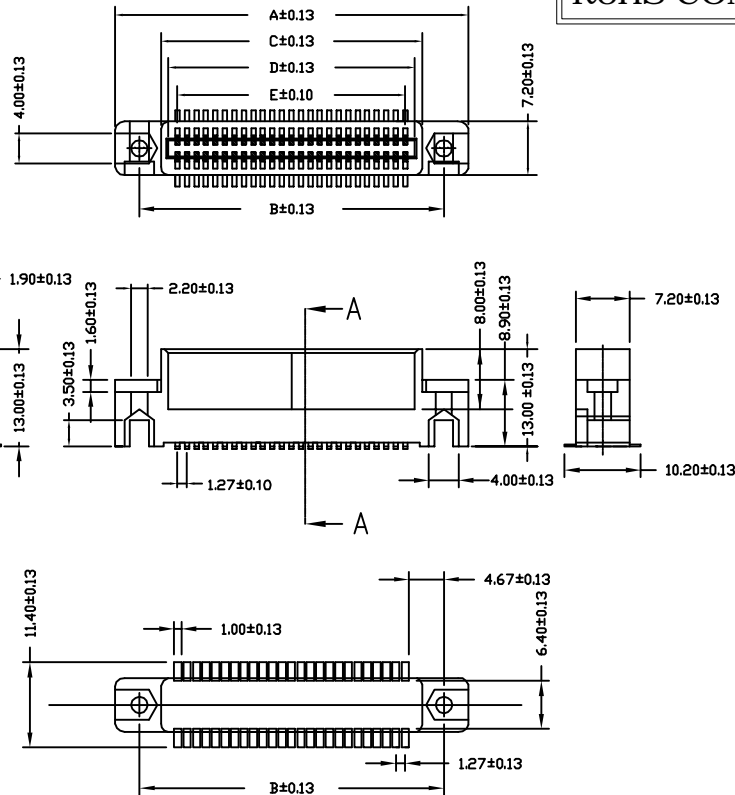
a. No. Of Pins

b. Contact Plating

- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold


c. Terminal Type

- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear



1.27 PITCH CARD EDGE ROW GAP 1.90mm SMT
WITH MOUNTING EAR

PIN	DIMENSION					PIN	DIMENSION				
	A	B	C	D	E		A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08	56	51.06	44.56	38.81	36.83	34.29
12	23.12	16.62	10.87	8.89	6.35	60	53.60	47.10	41.35	39.37	36.83
18	26.93	20.43	14.68	12.70	10.16	62	54.87	48.37	42.62	40.64	38.10
20	28.20	21.70	15.95	13.97	11.43	64	56.14	49.64	43.89	41.91	39.37
22	29.47	22.97	17.22	15.24	12.70	68	58.68	52.18	46.43	44.45	41.91
28	33.28	26.78	21.03	19.05	16.51	70	59.95	53.45	47.70	45.72	43.18
30	34.55	28.05	22.30	20.32	17.78	72	61.22	54.72	48.97	46.99	44.45
32	35.82	29.32	23.57	21.59	19.05	80	66.30	59.80	54.05	52.07	49.53
34	37.09	30.59	24.84	22.86	20.32	90	72.65	66.15	60.40	58.42	55.88
36	38.36	31.86	26.11	24.13	21.59	98	77.73	71.23	65.48	63.50	60.96
38	39.63	33.13	27.38	25.40	22.86	100	79.00	72.50	66.75	64.77	62.23
40	40.90	34.40	28.65	26.67	24.13	110	85.35	78.85	73.10	71.12	68.58
42	42.17	35.67	29.92	27.94	25.40	112	86.62	80.12	74.37	72.39	69.85
44	43.44	36.94	31.19	29.21	26.67	120	91.70	85.20	79.45	77.47	74.93
46	44.71	38.21	32.46	30.48	27.94	124	94.24	87.74	81.99	80.01	77.47
48	45.98	39.48	33.73	31.75	29.21	164	119.64	113.14	107.39	105.41	102.87
50	47.25	40.75	35.00	33.02	30.48	184	132.34	125.84	120.09	118.11	115.57

DIMENSIONS:		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		深圳市广亿联科技有限公司 SHENZHEN GUANGYILIAN TECHNOLOGY CO.,LTD	
<input type="checkbox"/> mm [INCH]	<input type="checkbox"/> INCH [mm]	<input checked="" type="checkbox"/> mm ONLY	DRAWN BY AND DATE JUSTIN XING 07-03-06		
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:		CHECKED BY AND DATE JUSTIN XING 07-03-06		TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
DECIMALS X. ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005]		APPROVED BY AND DATE MICHAEL HUANG 07-03-06			
MATERIAL		THIRD ANGLE PROJECTION 		DRAWING NO. 136-XXXX2	
FINISH		SCALE: 1.5 : 1	SIZE: A3	FILE NO.:	REV A
				SHEET 3 OF 10	

RoHS COMPLIANT

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \times \frac{X}{b} \times \frac{X}{c}$

a. No. Of Pins

b. Contact Plating

0: Gold flash selective gold

1: 5u" selective gold on contact

2: 10u" selective gold on contact

3: 15u" selective gold on contact

4: 30u" selective gold on contact

5: 50u" selective gold on contact

6: Gold flash full gold

c. Terminal Type

0: Row gap 1.90mm R/A with mounting ear

1: Row gap 1.90mm with mounting ear

2: Row gap 1.90mm SMT with mounting ear

3: Card edge(a type) w/o mounting ear

4: Card edge(b type) w/o mounting ear

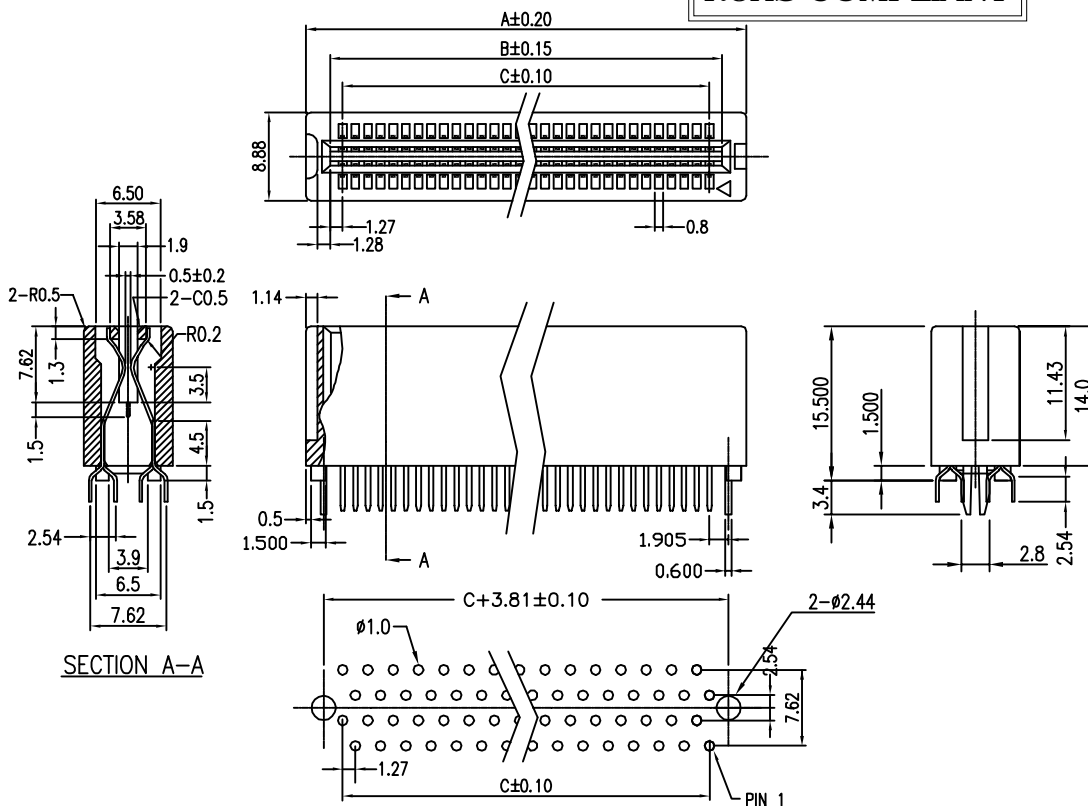
5: Card edge dip post w/o mounting ear

6: Card edge r/a clip w/o mounting ear

7: Card edge r/a type w/o mounting ear

8: Card edge smt type w/o mounting ear

9: Card edge type w/o mounting ear



SECTION A-A

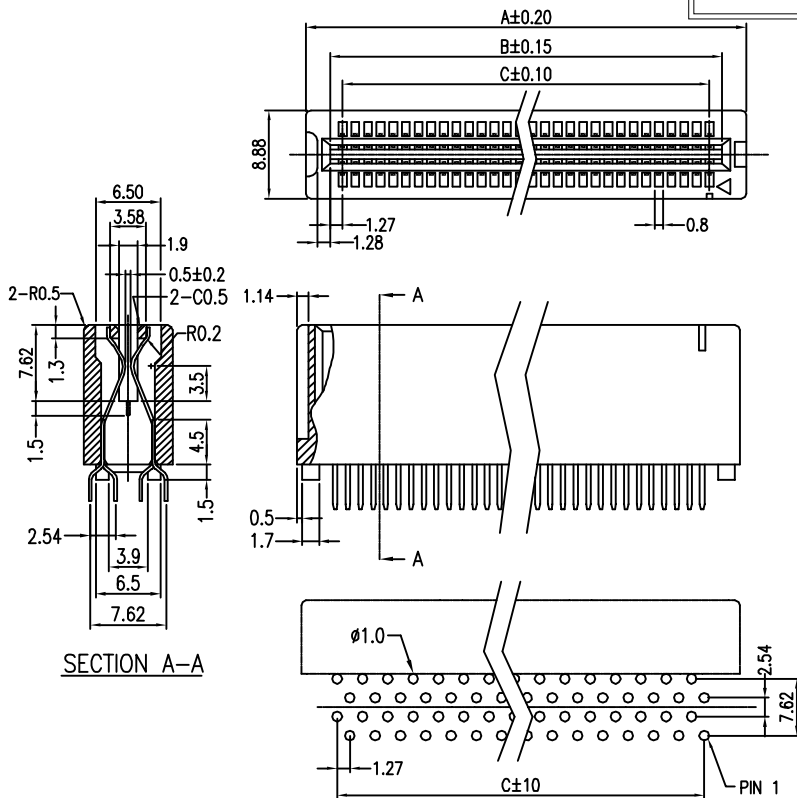
RECOMMENDED PCB LAYOUT (TOP VIEW)

1.27 PITCH CARD EDGE(A TYPE)W/O MOUNTING EAR

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	34	27.69	22.86	20.32
06	9.91	5.08	2.54	36	28.96	24.13	21.59
08	11.18	6.35	3.81	38	30.23	25.40	22.86
10	12.45	7.62	5.08	40	31.50	26.67	24.13
12	13.72	8.89	6.35	42	32.77	27.94	25.40
14	14.99	10.16	7.62	44	34.04	29.21	26.67
16	16.26	11.43	8.89	46	35.31	30.48	27.94
18	17.53	12.70	10.16	48	36.58	31.75	29.21
20	18.80	13.97	11.43	50	37.85	33.02	30.48
22	20.07	15.24	12.70	52	39.12	34.29	31.75
24	21.34	16.51	13.97	54	40.39	35.56	33.02
26	22.61	17.78	15.24	56	41.66	36.83	34.29
28	23.88	19.05	16.51	58	42.93	38.10	35.56
30	25.15	20.32	17.78	60	44.20	39.37	36.83
32	26.42	21.59	19.05	128	87.38	82.55	80.01

DIMENSIONS: <input type="checkbox"/> mm [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> mm ONLY	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE DRAWN BY AND DATE JUSTIN XING 07-03-06	深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD	
		TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS X: ±0.38 [0.015] .X: ±0.25 [0.010] .XX: ±0.13 [0.005] ANGLES X°: ±3° .X°: ±1.0°	CHECKED BY AND DATE JUSTIN XING 07-03-06 APPROVED BY AND DATE MICHAEL HUANG 07-03-06 THIRD ANGLE PROJECTION 	DRAWING NO. 136-XXXX3	
		FILE NO. SHEET 4 OF 10	
MATERIAL	SCALE: 2 : 1	SIZE: A3	REV A
FINISH			

RoHS COMPLIANT



RECOMMENDED PCB LAYOUT (TOP VIEW)

1.27 PITCH CARD EDGE(B TYPE)W/O MOUNTING EAR

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	38	30.23	25.40	22.86
06	9.91	5.08	2.54	40	31.50	26.67	24.13
08	11.18	6.35	3.81	42	32.77	27.94	25.40
10	12.45	7.62	5.08	44	34.04	29.21	26.67
12	13.72	8.89	6.35	46	35.31	30.48	27.94
14	14.99	10.16	7.62	48	36.58	31.75	29.21
16	16.26	11.43	8.89	50	37.85	33.02	30.48
18	17.53	12.70	10.16	52	39.12	34.29	31.75
20	18.80	13.97	11.43	54	40.39	35.56	33.02
22	20.07	15.24	12.70	56	41.66	36.83	34.29
24	21.34	16.51	13.97	58	42.93	38.10	35.56
26	22.61	17.78	15.24	60	44.20	39.37	36.83
28	23.88	19.05	16.51	80	56.90	52.07	49.53
30	25.15	20.32	17.78	100	69.60	64.77	62.23
32	26.42	21.59	19.05	120	82.30	77.47	74.93
34	27.69	22.86	20.32	124	84.84	80.01	77.47
36	28.96	24.13	21.59	182	121.67	116.84	114.30

REVISIONS			
REV	ECN NO.	DESCRIPTION	APPROVED BY

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

a. No. Of Pins

b. Contact Plating

0: Gold flash selective gold

1: 5u" selective gold on contact

2: 10u" selective gold on contact

3: 15u" selective gold on contact

4: 30u" selective gold on contact

5: 50u" selective gold on contact

6: Gold flash full gold

c. Terminal Type

0: Row gap 1.90mm R/A with mounting ear

1: Row gap 1.90mm with mounting ear

2: Row gap 1.90mm SMT with mounting ear

3: Card edge(a type) w/o mounting ear

4: Card edge(b type) w/o mounting ear

5: Card edge dip post w/o mounting ear

6: Card edge r/a clip w/o mounting ear

7: Card edge r/a type w/o mounting ear

8: Card edge smt type w/o mounting ear

9: Card edge type w/o mounting ear

DIMENSIONS: <input type="checkbox"/> mm [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> mm ONLY		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS X. ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005]		CHECKED BY AND DATE JUSTIN XING 07-03-06		TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
MATERIAL		APPROVED BY AND DATE MICHAEL HUANG 07-03-06		DRAWING NO. 136-XXXX4	
FINISH		THIRD ANGLE PROJECTION 		REV A	
SCALE: 2 : 1		SIZE: A3		FILE NO.:	
				SHEET 5 OF 10	

RoHS COMPLIANT

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \times \frac{X}{b} \times \frac{X}{c}$

a. No. Of Pins

b. Contact Plating

0: Gold flash selective gold

1: 5u" selective gold on contact

2: 10u" selective gold on contact

3: 15u" selective gold on contact

4: 30u" selective gold on contact

5: 50u" selective gold on contact

6: Gold flash full gold

c. Terminal Type

0: Row gap 1.90mm R/A with mounting ear

1: Row gap 1.90mm with mounting ear

2: Row gap 1.90mm SMT with mounting ear

3: Card edge(a type) w/o mounting ear

4: Card edge(b type) w/o mounting ear

5: Card edge dip post w/o mounting ear

6: Card edge r/a clip w/o mounting ear

7: Card edge r/a type w/o mounting ear

8: Card edge smt type w/o mounting ear

9: Card edge type w/o mounting ear

Circuit	Dimension		
	A	B	C
04	8.64	3.81	1.27
06	9.91	5.08	2.54
08	11.18	6.35	3.81
10	12.45	7.62	5.08
12	13.72	8.89	6.35
14	14.99	10.16	7.62
16	16.26	11.43	8.89
18	17.53	12.70	10.16
20	18.80	13.97	11.43
22	20.07	15.24	12.70
24	21.34	16.51	13.97
26	22.61	17.78	15.24
28	23.88	19.05	16.51
30	25.15	20.32	17.78
32	26.42	21.59	19.05

Circuit	Dimension		
	A	B	C
34	27.69	22.86	20.32
36	28.96	24.13	21.59
38	30.23	25.40	22.86
40	31.50	26.67	24.13
42	32.77	27.94	25.40
44	34.04	29.21	26.67
46	35.31	30.48	27.94
48	36.58	31.75	29.21
50	37.85	33.02	30.48
52	39.12	34.29	31.75
54	40.39	35.56	33.02
56	41.66	36.83	34.29
58	42.93	38.10	35.56
124	84.84	80.01	77.47
128	87.38	82.55	80.01

RECOMMENDED PCB LAYOUT (TOP VIEW)

1.27 PITCH CARD EDGE DIP POST W/O MOUNTING EAR

DIMENSIONS:

☐ mm [INCH] ☐ INCH [mm] ☒ mm ONLY

UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:

DECIMALS
X. ±0.38 [0.015]
.X ±0.25 [0.010]
.XX ±0.13 [0.005]

ANGLES
X° ±3°
.X° ±10°

MATERIAL

FINISH

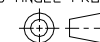
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

DRAWN BY AND DATE
JUSTIN XING 07-03-06

CHECKED BY AND DATE
JUSTIN XING 07-03-06

APPROVED BY AND DATE
MICHAEL HUANG 07-03-06

THIRD ANGLE PROJECTION



SCALE:
2 : 1

SIZE: A3

深圳市广亿联科技有限公司
SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD

TITLE
136 SERIES
EDGE CARD CONNECTOR 1.27MM
(0.050")

DRAWING NO.
136-XXXX5

FILE NO. SHEET 6 OF 10

DO NOT SCALE DRAWING

RoHS COMPLIANT

REVISIONS				
REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

$$136 - \frac{XXX}{a} \quad \frac{X}{b} \quad \frac{X}{c}$$

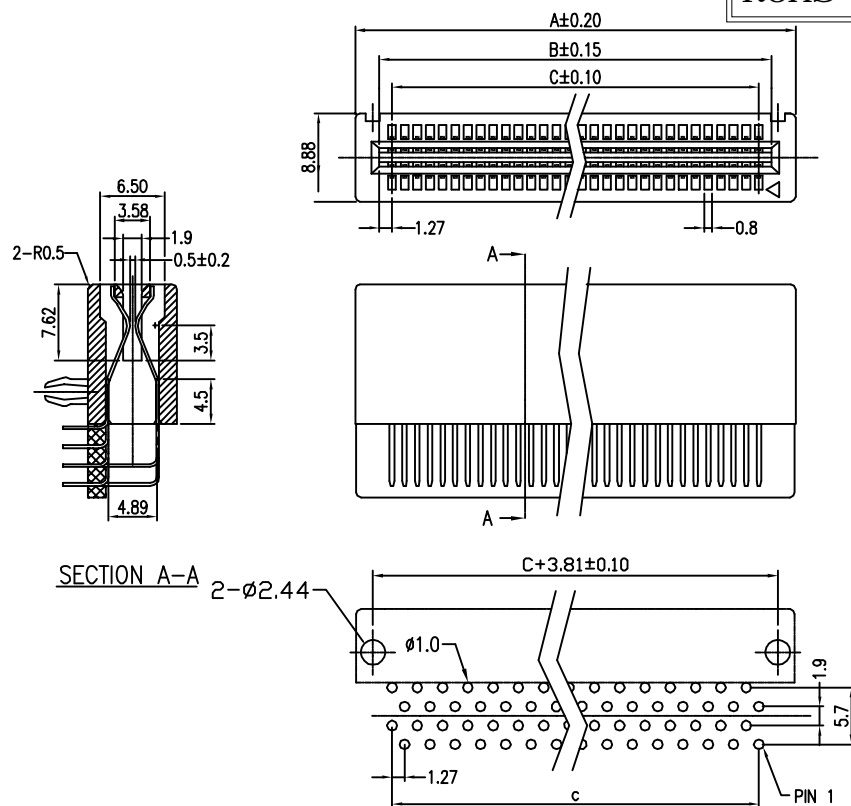
- a. No. of Pins

- b. Contact Plating

- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold

- c: Terminal Type


- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dlp post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear



RECOMMENDED PCB LAYOUT (TOP VIEW)

Circuit	Dimension		
	A	B	C
04	8.64	3.81	1.27
06	9.91	5.08	2.54
08	11.18	6.35	3.81
10	12.45	7.62	5.08
12	13.72	8.89	6.35
14	14.99	10.16	7.62
16	16.26	11.43	8.89
18	17.53	12.70	10.16
20	18.80	13.97	11.43
22	20.07	15.24	12.70
24	21.34	16.51	13.97
26	22.61	17.78	15.24
28	23.88	19.05	16.51
30	25.15	20.32	17.78
32	26.42	21.59	19.05

Circuit	Dimension		
	A	B	C
34	27.69	22.86	20.32
36	28.96	24.13	21.59
38	30.23	25.40	22.86
40	31.50	26.67	24.13
42	32.77	27.94	25.40
44	34.04	29.21	26.67
46	35.31	30.48	27.94
48	36.58	31.75	29.21
50	37.85	33.02	30.48
52	39.12	34.29	31.75
54	40.39	35.56	33.02
56	41.66	36.83	34.29
58	42.93	38.10	35.56
60	44.20	39.37	36.83
68	49.28	44.45	41.95

DIMENSIONS:		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD.	
<input type="checkbox"/> mm [INCH]	<input type="checkbox"/> INCH [mm]	<input checked="" type="checkbox"/> mm ONLY	DRAWN BY AND DATE JUSTIN XING 07-03-06		
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:		CHECKED BY AND DATE JUSTIN XING 07-03-06	TITLE		
DECIMALS			136 SERIES		
X. ±0.38 [0.015]	ANGLES		EDGE CARD CONNECTOR 1.27MM		
.X ±0.25 [0.010]	X° ±3°		(0.050")		
.XX ±0.13 [0.005]	.X° ±1.0°	MICHAEL HUANG 07-03-06			
MATERIAL	THIRD ANGLE PROJECTION				
					
FINISH	SCALE: 2 : 1	SIZE: A3	DRAWING NO. 136-XXXXX6		REV A
			FILE NO.:		SHEET Z OF

RoHS COMPLIANT

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \times \frac{X}{b} \times \frac{X}{c}$

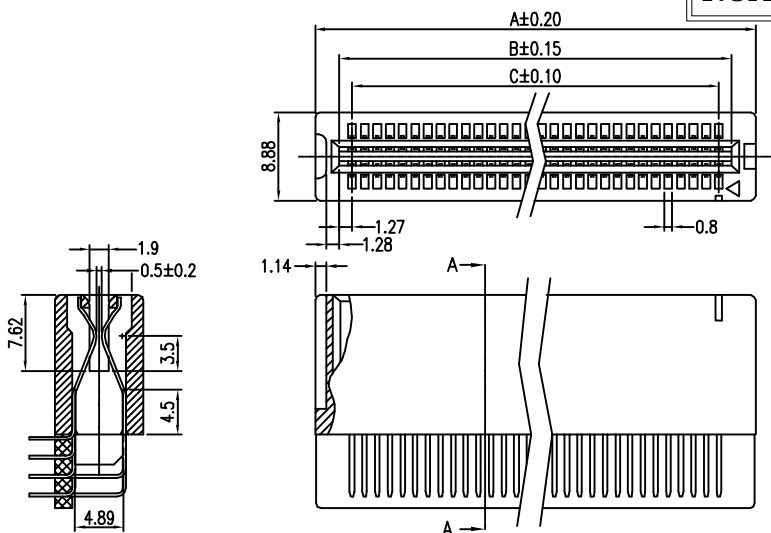
a. No. Of Pins

b. Contact Plating

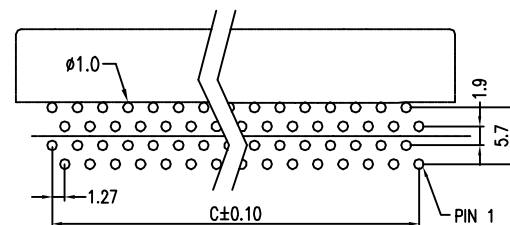
- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold

c. Terminal Type

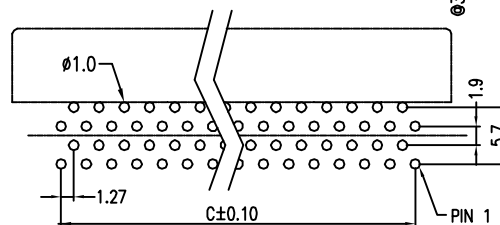
- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear



SECTION A-A



RECOMMENDED PCB LAYOUT FOR EVEN NUMBERS (TOP VIEW)



RECOMMENDED PCB LAYOUT FOR ODD NUMBERS (TOP VIEW)

1.27 PITCH CARD EDGE R/A TYPE W/O MOUNTING EAR

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	36	28.96	24.13	21.59
06	9.91	5.08	2.54	38	30.23	25.40	22.86
08	11.18	6.35	3.81	40	31.50	26.67	24.13
10	12.45	7.62	5.08	42	32.77	27.94	25.40
12	13.72	8.89	6.35	44	34.04	29.21	26.67
14	14.99	10.16	7.62	46	35.31	30.48	27.94
16	16.26	11.43	8.89	48	36.58	31.75	29.21
18	17.53	12.70	10.16	50	37.85	33.02	30.48
20	18.80	13.97	11.43	52	39.12	34.29	31.75
22	20.07	15.24	12.70	54	40.39	35.56	33.02
24	21.34	16.51	13.97	56	41.66	36.83	34.29
26	22.61	17.78	15.24	58	42.93	38.10	35.56
28	23.88	19.05	16.51	60	44.20	39.37	36.83
30	25.15	20.32	17.78	80	56.90	52.07	49.53
32	26.42	21.59	19.05	100	69.60	64.77	62.23
34	27.69	22.86	20.32	120	82.30	77.47	74.93

DIMENSIONS: <input type="checkbox"/> mm [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> mm ONLY		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS X: ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005]		CHECKED BY AND DATE JUSTIN XING 07-03-06	
MATERIAL		APPROVED BY AND DATE MICHAEL HUANG 07-03-06	
FINISH		THIRD ANGLE PROJECTION	
SCALE: 2:1		SIZE: A3	

深圳市广亿联科技有限公司
SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD

TITLE
136 SERIES
EDGE CARD CONNECTOR 1.27MM
(0.050")

DRAWING NO. 136-XXXX7	REV A
FILE NO.	SHEET 8 OF 10

RoHS COMPLIANT

REVISIONS

REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \frac{X}{b} \frac{X}{c}$

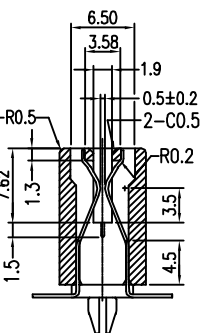
a. No. Of Pins

b. Contact Plating

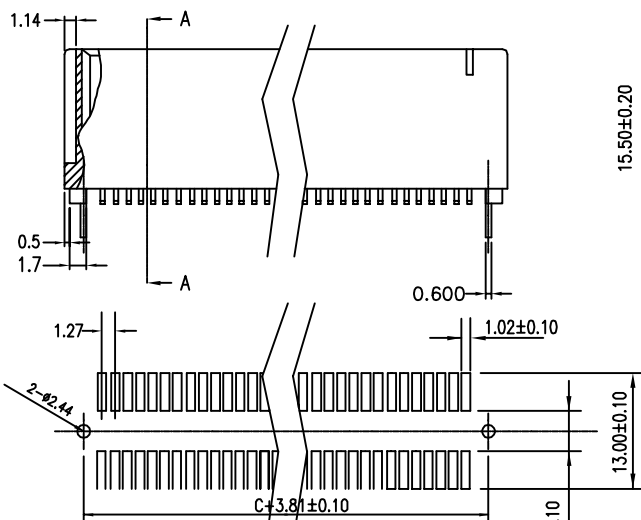
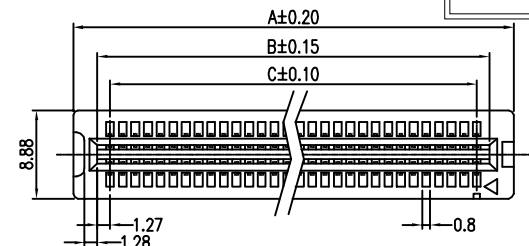
- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold

c. Terminal Type

- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear




SECTION A-A



RECOMMENDED PCB LAYOUT (TOP VIEW)

1.27 PITCH CARD EDGE SMT W/O MOUNTING EAR

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	36	28.96	24.13	21.59
06	9.91	5.08	2.54	38	30.23	25.40	22.86
08	11.18	6.35	3.81	40	31.50	26.67	24.13
10	12.45	7.62	5.08	42	32.77	27.94	25.40
12	13.72	8.89	6.35	44	34.04	29.21	26.67
14	14.99	10.16	7.62	46	35.31	30.48	27.94
16	16.26	11.43	8.89	48	36.58	31.75	29.21
18	17.53	12.70	10.16	50	37.85	33.02	30.48
20	18.80	13.97	11.43	52	39.12	34.29	31.75
22	20.07	15.24	12.70	54	40.39	35.56	33.02
24	21.34	16.51	13.97	56	41.66	36.83	34.29
26	22.61	17.78	15.24	58	42.93	38.10	35.56
28	23.88	19.05	16.51	60	44.20	39.37	36.83
30	25.15	20.32	17.78	80	56.90	52.07	49.53
32	26.42	21.59	19.05	100	69.60	64.77	62.23
34	27.69	22.86	20.32	120	82.30	77.47	74.93
36	28.96	24.13	21.59	182	121.67	116.84	114.30

DIMENSIONS:		CAD GENERATED DRAWING: DO NOT MANUALLY UPDATE		深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD	
<input type="checkbox"/> mm [INCH]	<input type="checkbox"/> INCH [mm]	<input checked="" type="checkbox"/> mm ONLY	DRAWN BY AND DATE JUSTIN XING 07-03-06		
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:		CHECKED BY AND DATE JUSTIN XING 07-03-06		TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
DECIMALS X. ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005]		APPROVED BY AND DATE MICHAEL HUANG 07-03-06			
MATERIAL		THIRD ANGLE PROJECTION 		DRAWING NO. 136-XXXX8	
FINISH		SCALE: 2 : 1	SIZE: A3	FILE NO.:	REV A
				SHEET 9 OF 10	

RoHS COMPLIANT

REVISIONS			
REV	ECN NO.	DESCRIPTION	APPROVED BY

Product Specification

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
CONTACT: COPPER ALLOY.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.
CURRENT RATING: 1 AMP.
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Ordering Information

136 - $\frac{XXX}{a} \frac{x}{b} \frac{x}{c}$

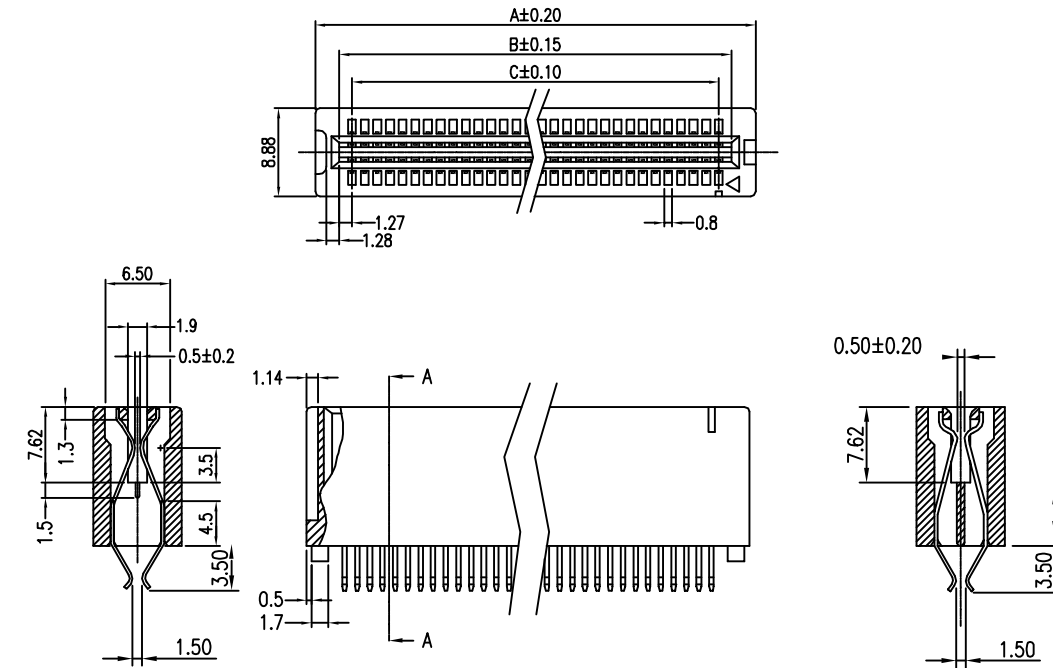
a. No. Of Pins

b. Contact Plating

- 0: Gold flash selective gold
- 1: 5u" selective gold on contact
- 2: 10u" selective gold on contact
- 3: 15u" selective gold on contact
- 4: 30u" selective gold on contact
- 5: 50u" selective gold on contact
- 6: Gold flash full gold

c. Terminal Type

- 0: Row gap 1.90mm R/A with mounting ear
- 1: Row gap 1.90mm with mounting ear
- 2: Row gap 1.90mm SMT with mounting ear
- 3: Card edge(a type) w/o mounting ear
- 4: Card edge(b type) w/o mounting ear
- 5: Card edge dip post w/o mounting ear
- 6: Card edge r/a clip w/o mounting ear
- 7: Card edge r/a type w/o mounting ear
- 8: Card edge smt type w/o mounting ear
- 9: Card edge type w/o mounting ear



SECTION A-A

1.27 PITCH CARD EDGE TYPE W/O MOUNTING EAR

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	36	28.96	24.13	21.59
06	9.91	5.08	2.54	38	30.23	25.40	22.86
08	11.18	6.35	3.81	40	31.50	26.67	24.13
10	12.45	7.62	5.08	42	32.77	27.94	25.40
12	13.72	8.89	6.35	44	34.04	29.21	26.67
14	14.99	10.16	7.62	46	35.31	30.48	27.94
16	16.26	11.43	8.89	48	36.58	31.75	29.21
18	17.53	12.70	10.16	50	37.85	33.02	30.48
20	18.80	13.97	11.43	52	39.12	34.29	31.75
22	20.07	15.24	12.70	54	40.39	35.56	33.02
24	21.34	16.51	13.97	56	41.66	36.83	34.29
26	22.61	17.78	15.24	58	42.93	38.10	35.56
28	23.88	19.05	16.51	60	44.20	39.37	36.83
30	25.15	20.32	17.78	80	56.90	52.07	49.53
32	26.42	21.59	19.05	100	69.60	64.77	62.23
34	27.69	22.86	20.32	124	84.84	80.01	77.47
36	28.96	24.13	21.59	182	121.67	116.84	114.30

DIMENSIONS: <input type="checkbox"/> mm [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> mm ONLY		CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE	深圳市广亿联科技有限公司 SHENZHEN GUANGYILING TECHNOLOGY CO.,LTD	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS X. ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005]		CHECKED BY AND DATE JUSTIN XING 07-03-06	TITLE 136 SERIES EDGE CARD CONNECTOR 1.27MM (0.050")	
MATERIAL		APPROVED BY AND DATE MICHAEL HUANG 07-03-06	DRAWING NO. 136-XXXXX9	
FINISH		THIRD ANGLE PROJECTION 	REV A	
SCALE: 2 : 1		SIZE: A3	FILE NO.: SHEET 10 OF 10	