

QFP

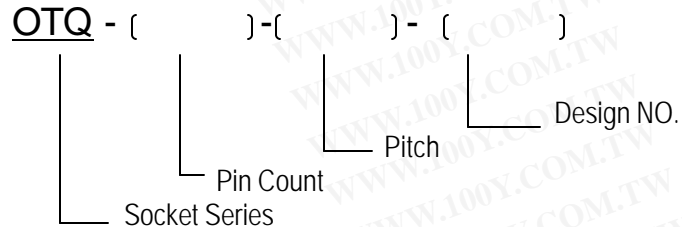
QUAD FLAT  
PACKAGE

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Applicable IC/QFP•TQFP

## OPEN TOP TYPE SOCKETS

### ORDERING PROCEDURE



### SPECIFICATIONS

Contact resistance: Initial 100mΩ (At 10mA)  
Maximum voltage: AC700V RMS (for 1 minute)

\* Below 0.5mm Pitch  
AC500V RMS (for 1 minute)

Insulation resistance: 1,000MΩ or higher (At DC 500V)

Rated current: 1A

Operating temperature range: -60°C ~ +150°C

Terminal strength against pulling: 0.5kg (1 minute)

Insertion: Min. 10,000 times (Mechanical)

- \* Better airflow.
- \* Vertical actuation is ideal for automation.
- \* Zero-insertion force.
- \* Live bug.



### MATERIAL

Body: PEI, PES

Contact: BeCu, Au plating (Ni-base)

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## APPLICABLE IC DIMENSIONS & SOCKET DIMENSIONS

### ONE POINT CONTACT (TQFP•SQFP)

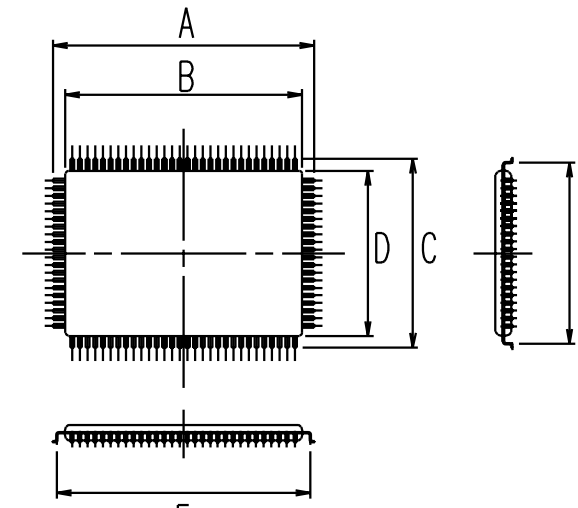
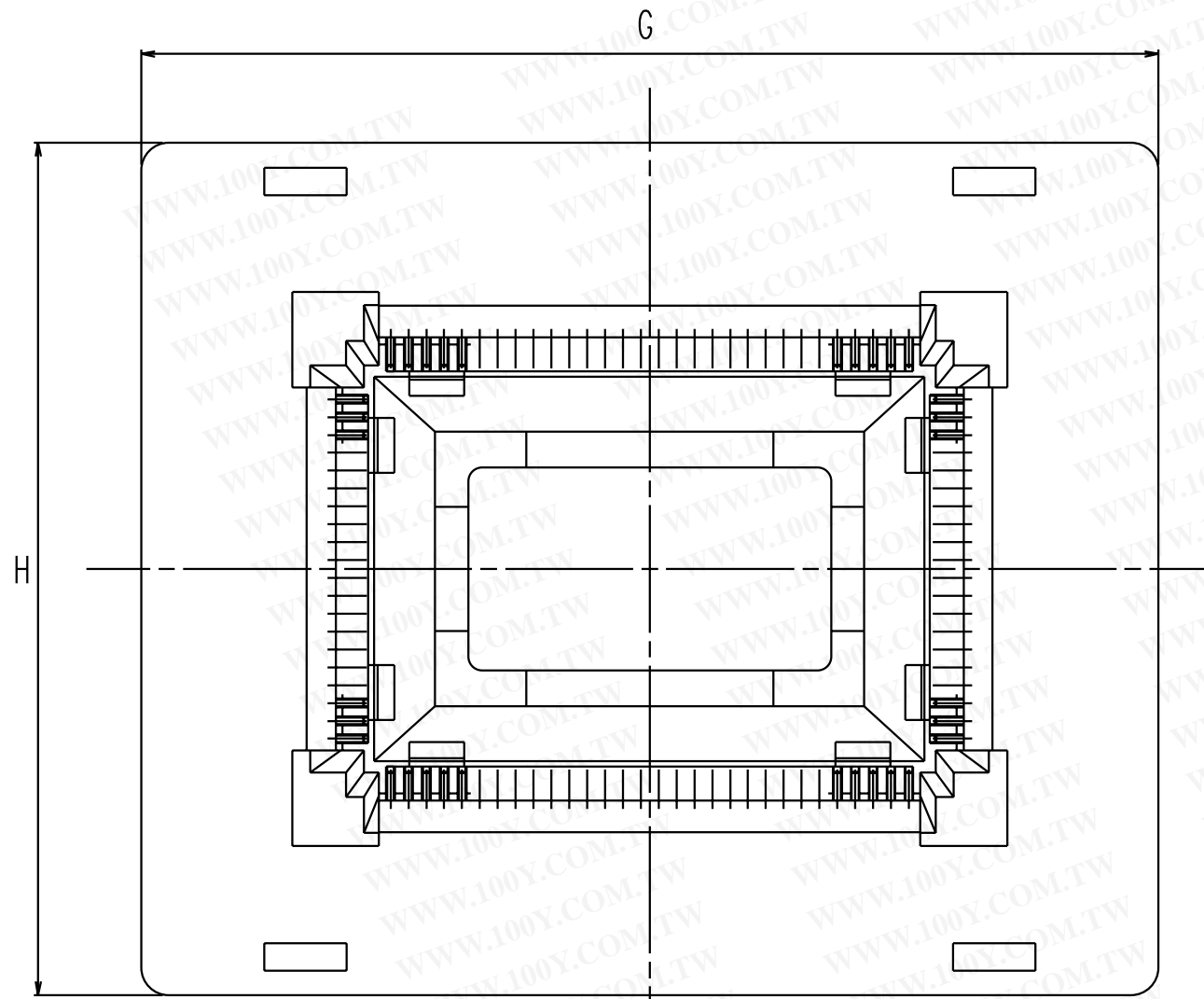
Unit: mm (in)

PART NO.	PIN COUNT	PITCH	ACTUATION FORCE	APPLICABLE IC DIMENSIONS (REF.)						OUTSIDE DIMENSIONS (REF.)				REMARKS
				A	B	C	D	E	F	G	H	I	J	
OTQ-48-0.5-01	48	0.5 (19.6mil)	max 1.2kg	9±0.1 (0.354)	7±0.1 (0.275)	9±0.1 (0.354)	7±0.1 (0.275)	8±0.1 (0.314)	8±0.1 (0.314)	24 (0.944)	24 (0.944)	16 (0.629)	2.8 (0.110)	SQFP/ TQFP
OTQ-64-0.5-01	64	0.5 (19.6mil)	max 1.5kg	12±0.1 (0.472)	10±0.1 (0.393)	12±0.1 (0.472)	10±0.1 (0.393)	11±0.1 (0.433)	11±0.1 (0.433)	27 (1.062)	27 (1.062)	16 (0.629)	2.8 (0.110)	SQFP/ TQFP
OTQ-80-0.5-02	80	0.5 (19.6mil)	max 2.0kg	14±0.1 (0.551)	12±0.05 (0.472)	14±0.1 (0.551)	12±0.05 (0.472)	13±0.1 (0.511)	13±0.1 (0.511)	31 (1.220)	31 (1.220)	16 (0.629)	2.8 (0.110)	SQFP/ TQFP
OTQ-100-0.5-01	100	0.5 (19.6mil)	max 2.5kg	16±0.1 (0.629)	14±0.05 (0.551)	16±0.1 (0.629)	14±0.05 (0.551)	15±0.1 (0.590)	15±0.1 (0.590)	31 (1.220)	31 (1.220)	16 (0.629)	2.8 (0.110)	SQFP/ TQFP
OTQ-100-0.5-09	100	0.5 (19.6mil)	max 2.5kg	16 (0.629)	14 (0.551)	16 (0.629)	14 (0.551)	15 (0.590)	15 (0.590)	31 (1.220)	31 (1.220)	16 (0.629)	2.8 (0.110)	Lead Guide
OTQ-120-0.5-01	120	0.5 (19.6mil)	max 2.5kg	18.4±0.15 (0.724)	16±0.05 (0.629)	18.4±0.15 (0.724)	16±0.05 (0.629)	max 17.3 (0.681)	max 17.3 (0.681)	33.4 (1.314)	33.4 (1.314)	16 (0.629)	2.8 (0.110)	
OTQ-128-0.5-01	128	0.5 (19.6mil)	max 5.0kg	22±0.15 (0.866)	20 (0.887)	16±0.15 (0.629)	14 (0.551)			47 (1.850)	47 (1.850)	22 (0.866)	3.5 (0.137)	
OTQ-128-0.5-02	128	0.5 (19.6mil)	max 5.0kg	23.2±0.1 (0.913)	20 (0.887)	17.2±0.1 (0.677)	14 (0.551)			47.9 (1.885)	47.9 (1.885)	22 (0.866)	3.5 (0.137)	
OTQ-128-0.5-03	128	0.5 (19.6mil)	max 5.0kg	23.2 (0.913)	20 (0.887)	17.2 (0.677)	14 (0.551)	22.25 (0.875)	22.25 (0.875)	47.9 (1.885)	47.9 (1.885)	22 (0.866)	3.5 (0.137)	
OTQ-144-0.5-01	144	0.5 (19.6mil)	max 3.0kg	22.0±0.15 (0.866)	20±0.1 (0.787)	22.0±0.15 (0.866)	20±0.1 (0.787)			47 (1.850)	47 (1.850)	22 (0.866)	3.5 (0.137)	SQFP/ TQFP
OTQ-176-0.5-02	176	0.5 (19.6mil)	max 6.5kg	26±0.05 (1.023)	24±0.1 (0.944)	26±0.05 (1.023)	24±0.1 (0.944)	25±0.1 (0.984)	25±0.1 (0.984)	51 (2.007)	51 (2.007)	22 (0.866)	3.5 (0.137)	

Unit: mm (in)

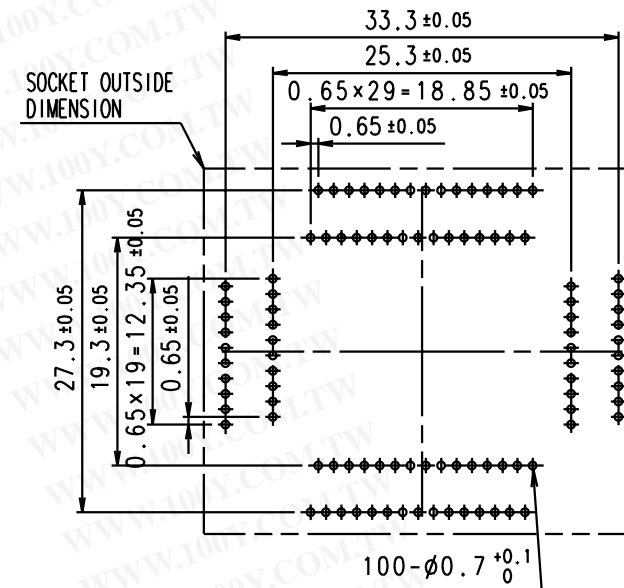
PART NO.	PIN COUNT	PITCH	ACTUATION FORCE	APPLICABLE IC DIMENSIONS (REF.)						OUTSIDE DIMENSIONS (REF.)				REMARKS
				A	B	C	D	E	F	G	H	I	J	
OTQ-208-0.5-01	208	0.5 (19.6mil)	max 8.0kg	30.6±0.15 (1.204)	28±0.1 (1.102)	30.6±0.15 (1.204)	28±0.1 (1.102)			55 (2.165)	55 (2.165)	22 (0.866)	3.5 (0.137)	SQFP/ TQFP
OTQ-208-0.5-03	208	0.5 (19.6mil)	max 8.0kg	30.6±0.15 (1.204)	max 28.5 (1.122)	30.6±0.15 (1.204)	max 28.5 (1.122)			55 (2.165)	55 (2.165)	22 (0.866)	3.5 (0.137)	Mild Guide

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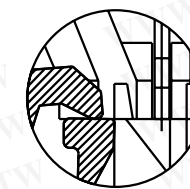
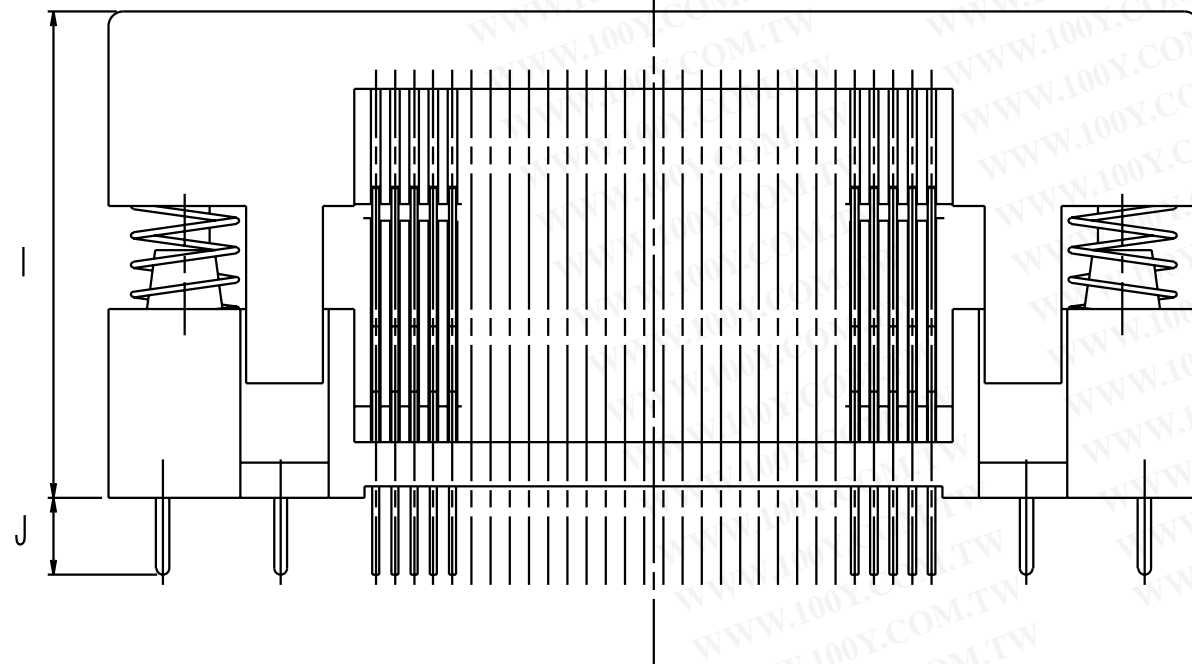


OTQ-100-0.65  
(REFERENCE ONLY)

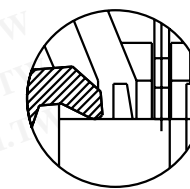
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OTQ-100-0.65  
(REFERENCE ONLY)

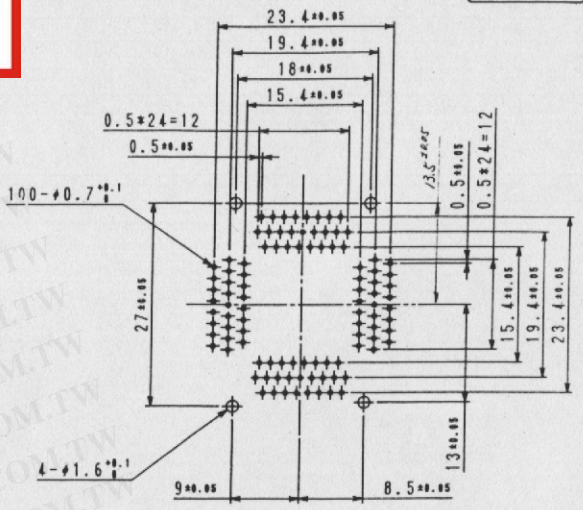
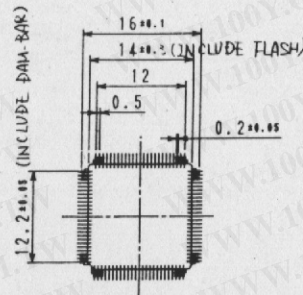
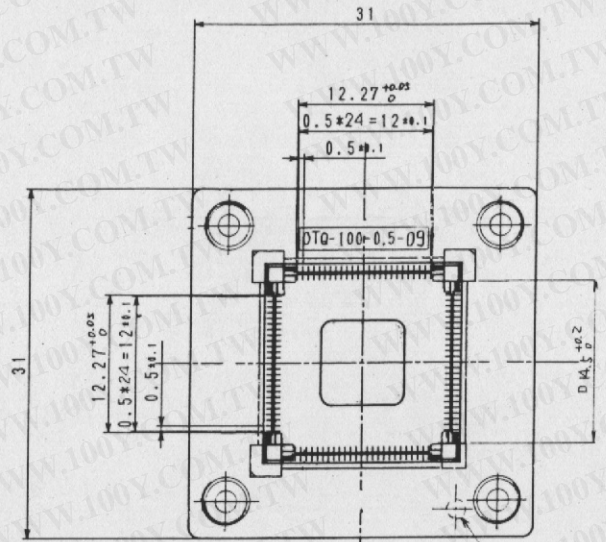


PINCH CONTACT  
(TWO POINT CONTACT)  
(REFERENCE ONLY)



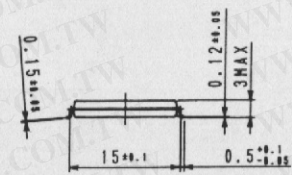
ONE POINT CONTACT  
(REFERENCE ONLY)

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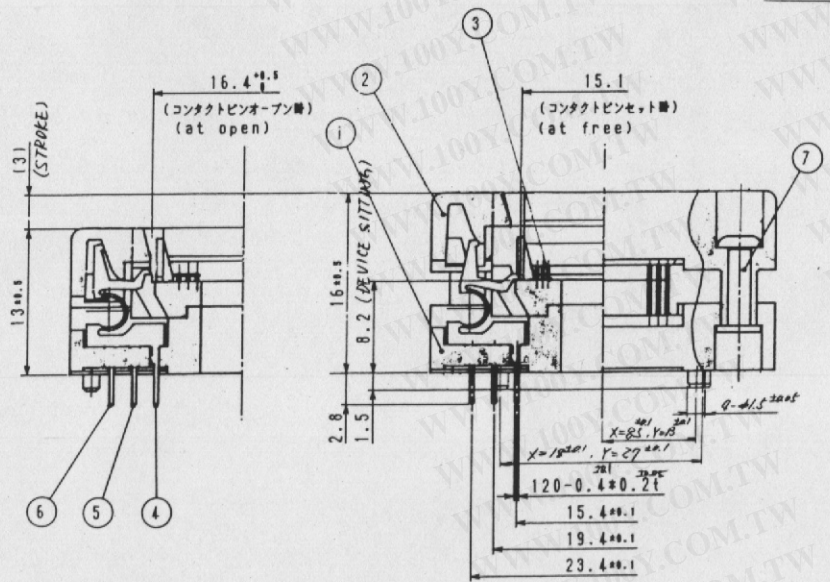


プリント基板取付穴位置 (TOP VIEW) (2:1)

この面内の裏面底面は  
 ホスロメイト0.5mm-10μm  
 を付してあり



適合デバイス寸法



NOTES

SPECIFICATION		(INITIAL)	
CONTACT RESISTANCE 接触抵抗	50 mΩ or less at 10 mA		
WELDED RESISTANCE VALUE 溶接抵抗値	500V A.C for 1 minute		
INSULATING RESISTANCE 絶縁抵抗値	1000 MΩ or more at 500V D.C		
ALTED CURRENT 許容電流	1A		
OPERATING TEMPERATURE 使用温度	-65℃ - 150℃		
RETENTION FORCE 留り力	0.5 kg for 1 minute		
INSERTION 挿入	10000 cycle (MECHANICAL)		
ACTIVATION FORCE カバー作動力	MAX. 2.5 kg		

品名	顧客品番	図番	品名	材質	数量	備考
SYM	CUSTOMER'S PART NO.	DWG. NO.	NAME	MAT'L	QTY	REMARKS
8			FLYET	Al	4	
7	DTQ-00-0.5-02-004	55-111-273-01	CONTACT FPC(ソケット)	"GLO"	BeCu	32
6	DTQ-256-C003	55-110-642-01	CONTACT FPC(ソケット)	"GKO"	BeCu	36
5	DTQ-256-C002	55-110-641-01	CONTACT FPC(ソケット)	"GJO"	BeCu	36
4	DTQ-256-C001	55-110-640-01	CONTACT FPC(ソケット)	"GJO"	BeCu	32
3	DTQ-100-0.5-08-01	57-299-820-01	SEATING PLATE ソケットプレート	PEI	1	
2	DTQ-100-0.5-09-01	57-299-291-01	カバー COVER	PEI	1	
1	DTQ-100-0.5-01-001	56-299-545-01	本体 BODY	PEI	1	

承認者 APPROVED BY: T. KASHIMAJI  
 検査者 CHECKED BY: T. TACHIHARA  
 設計者 DESIGNED BY: T. TACHIHARA  
 図番 DRAWING NO.: 55-023-184-01  
 顧客品番 CUSTOMER'S PART NO.: DTQ-100-0.5-09-00  
 品名 NAME: IC SOCKET  
 材質 MAT'L: PEI  
 数量 QTY: 3  
 公差 GENERAL TOLERANCES: ±0.3  
 発行日 DATE: '96.09.16  
 版数 REV. NO.: 1  
 縮尺 SCALE: 3:1

縮尺 SCALE FOR MICRO FILM: 30  
 部門 図番 SECTION SHEETS: A, B, C, D, E, F, G, H, I, J, K, L, O