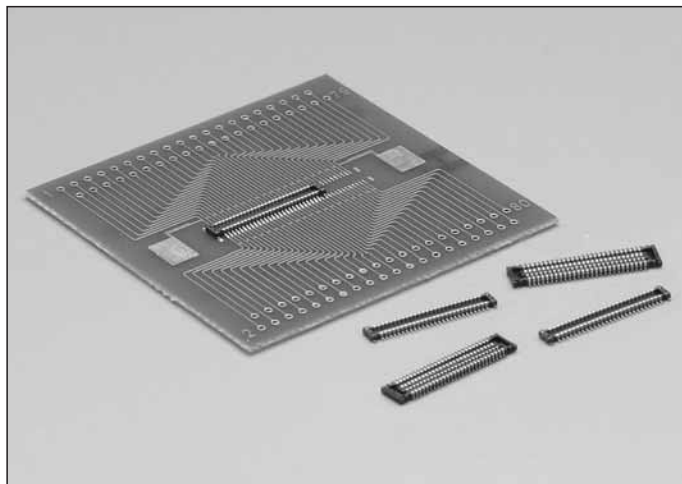


0.4_{mm}Pitch

Series 5802



シリーズ (Series)	5802
基板間高さ (Stacking Height)	0.8mm
極間隔 (Pitch)	0.4mm
極数 (No. of Positions)	10~60
定格電流 (Rated Current)	AC/DC 0.3A
定格電圧 (Rated Voltage)	AC/DC 50V
耐電圧 (D.W.Voltage)	AC 250Vrms/min.
コンタクト材質 (Contact Material)	銅合金 Copper alloy
インシュレータ材質 (Insulator Material)	耐熱樹脂 Heat resistance plastic
使用温度範囲 (Operating Temperature)	-40~85℃

SERIES 5802

◇概要

5802シリーズは、携帯電話・PHS・デジタルAV機器等の急速な小型化や薄型化に対応する、0.4mmピッチの超低背・省面積の基板対基板コネクタです。基板間高さ0.8mm、端子を含めた幅寸法は3.2mmを実現しました。

◇Outline

Series 5802 is a 0.4mm pitch, ultra low profile, and space-efficient, Board to Board connector that responds to a surge of down-sizing and slimming requirements for cellular phones, PHS, Digital AV apparatus and etc. 0.8mm in stacking height and 3.2mm in width including tails are realized.

◇特長

- (1) 基板間高さ0.8mmで端子を含めた幅寸法は3.2mmと超低背・省面積タイプのコネクタです。
- (2) スリム・低背でありながらコネクタ裏面は底壁が形成されており金属の露出がなくデッドスペースが小さいことから、端子のランド対向間にパターン配線が可能であり、高密度実装に最適な構造です。
- (3) 高い接触信頼性を実現するために、接触構造は振動や落下衝撃に強い挟み込み構造を採用するとともに、接触部は飛散したフラックスや付着した異物を排除する独自接点構造を採用しました。
- (4) 嵌合構造は「FINE-LOCK構造」を採用し、超低背と優れたクリック感・高い嵌合保持力との両立を実現しました。
- (5) コネクタに嵌合させ、導通、短絡を簡易にチェックするチェッカーコネクタもご用意しております。

◇Features

- (1) The most space-efficient type connector among industry that achieves 0.8mm in stacking height and 3.2mm in width.
- (2) Because no part of pins were exposed owing to the bottom wall of the connector in spite of its slim and low profile, a pattern can be laid between lands of tail rows, which enables less limited pattern layouts on boards.
- (3) The pinching structure, highly resistant to vibration and drop shock, is adopted in contacts and the original structure excluding splashed flux or foreign matters attached is adopted on contacting points in order to obtain high contacting reliability.
- (4) "Fine locking mechanism" adopted for mating structure realizes the nice clicking response and firm retention force against unmating despite of the ultra low profile.
- (5) A checker connector to be mated with a connector is also available to check electrical continuity or short circuit of the connector.

本カタログには推奨めっきを掲載しております。めっき種類・仕様、ならびに生産対応可能極数については営業部に御確認願います。
Recommended plating types are mentioned in this catalogue.
For other plating types and their specifications, and available numbers of positions, please feel free to contact our sales department.

SERIES

プラグ/リセ ST SMT
Plug/Receptacle Vertical SMT

Technical drawings of the 1000 Series 2-Bay Low Floor Vehicle, showing side elevation, cross-section Z-Z, and front elevation.

Side Elevation Dimensions:

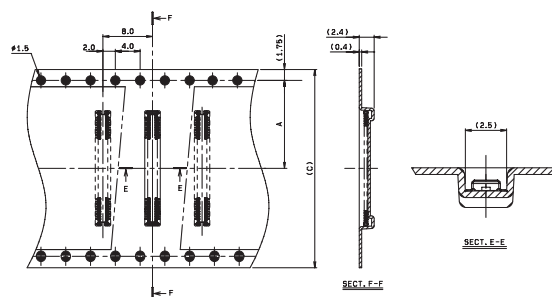
- Overall Length: 23.35
- Wheelbase: 10.81
- Height: 3.65
- Height to Top of Roof: 3.05
- Height to Top of Door: 2.35
- Height to Top of Window: 2.05
- Height to Top of Floor: 1.75
- Height to Top of Base: 1.45
- Height to Top of Underframe: 1.15
- Height to Top of Wheel: 0.85
- Height to Top of Rail: 0.55
- Height to Top of Track: 0.25
- Height to Top of Ground: 0.05
- Height to Top of Platform: 0.05
- Height to Top of Platform Edge: 0.05
- Height to Top of Platform Corner: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05

Cross-section Z-Z Dimensions:

- Overall Width: 2.35
- Track Width: 1.75
- Height: 3.65
- Height to Top of Roof: 3.05
- Height to Top of Door: 2.35
- Height to Top of Window: 2.05
- Height to Top of Floor: 1.75
- Height to Top of Base: 1.45
- Height to Top of Underframe: 1.15
- Height to Top of Wheel: 0.85
- Height to Top of Rail: 0.55
- Height to Top of Track: 0.25
- Height to Top of Ground: 0.05
- Height to Top of Platform: 0.05
- Height to Top of Platform Edge: 0.05
- Height to Top of Platform Corner: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05

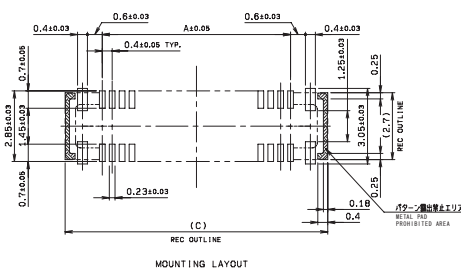
Front Elevation Dimensions:

- Overall Width: 2.35
- Track Width: 1.75
- Height: 3.65
- Height to Top of Roof: 3.05
- Height to Top of Door: 2.35
- Height to Top of Window: 2.05
- Height to Top of Floor: 1.75
- Height to Top of Base: 1.45
- Height to Top of Underframe: 1.15
- Height to Top of Wheel: 0.85
- Height to Top of Rail: 0.55
- Height to Top of Track: 0.25
- Height to Top of Ground: 0.05
- Height to Top of Platform: 0.05
- Height to Top of Platform Edge: 0.05
- Height to Top of Platform Corner: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05
- Height to Top of Platform Base: 0.05
- Height to Top of Platform Siding: 0.05
- Height to Top of Platform Wall: 0.05
- Height to Top of Platform Ceiling: 0.05
- Height to Top of Platform Floor: 0.05



番 號 NO. OF POS.	A	C
10	5.5	12.0
12	5.5	12.0
14	7.5	16.0
16	7.5	16.0
18	7.5	16.0
20	7.5	16.0
22	7.5	16.0
24	7.5	16.0
26	7.5	16.0
30	7.5	16.0
32	7.5	16.0
34	11.5	24.0
40	11.5	24.0
44	11.5	24.0
50	11.5	24.0
54	11.5	24.0
60	11.5	24.0

RoHS 対応品
RoHS Compliant Product



Nº de POS.	A	B	C	E
10	1,6	3,76	4,6	3,2
12	2,0	4,16	5,0	3,6
14	2,4	4,56	5,4	4,0
16	2,8	4,96	5,8	4,4
18	3,2	5,36	6,2	4,8
20	3,6	5,76	6,6	5,2
22	4,0	6,16	7,0	5,6
24	4,4	6,56	7,4	6,0
26	4,8	6,96	7,8	6,4
30	5,6	7,76	8,6	7,2
32	6,0	7,06	9,0	7,6
34	6,4	8,56	9,4	8,0
40	7,6	9,76	10,6	9,2
44	8,4	10,56	11,4	10,0
50	9,6	11,76	12,6	11,2
54	10,4	12,56	13,4	12,0

14 5802 0XX 002 829+

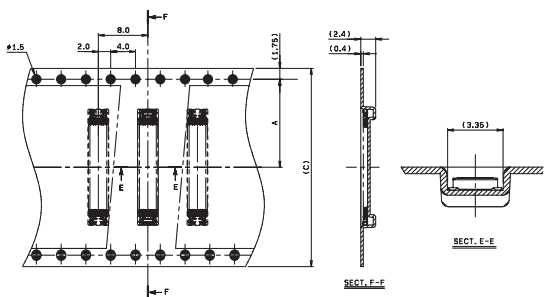
14 5802 0XX 002 829K+

極数 Number of positions (34~60 Pos.)

注) 生産可能極数については営業部にご確認願います。
Note) Feel free to contact our sales department
for available numbers of positions.

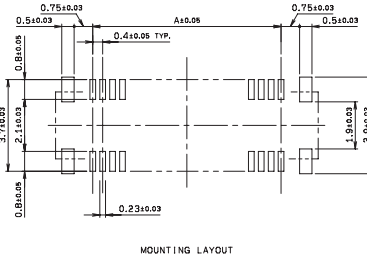
梱包数量：2000個/リール
PACKING QUANTITY：2000/Reel

Technical drawing of a 100mm x 100mm x 10mm aluminum extrusion profile. The drawing includes a top view, a side view, and a cross-section view. The top view shows a rectangular profile with a central slot and a width of 100mm (A±0.1). The side view shows a height of 100mm (E) and a thickness of 10mm (0.1). The cross-section view shows a U-shaped profile with a gap of 1.01mm and a width of 3.2mm. Dimensions are given in millimeters.



傳 票 NO. OF	A	C
10	5.5	12.0
12	5.5	12.0
14	7.5	16.0
16	7.5	16.0
18	7.5	16.0
20	7.5	16.0
22	7.5	16.0
24	7.5	16.0
26	7.5	16.0
30	7.5	16.0
32	7.5	16.0
34	11.5	24.0
40	11.5	24.0
44	11.5	24.0
50	11.5	24.0
54	11.5	24.0
60	11.5	24.0

RoHS 対応品
RoHS Compliant Product



● ● NO. OF POS.	A	C	E
10	1.6	4.6	3.6
12	2.0	5.0	4.0
14	2.4	5.4	4.4
16	2.8	5.8	4.8
18	3.2	6.2	5.2
20	3.6	6.6	5.6
22	4.0	7.0	6.0
24	4.4	7.4	6.4
26	4.8	7.8	6.8
30	5.6	8.6	7.6
32	6.0	9.0	8.0
34	6.4	9.4	8.4
40	7.6	10.6	9.6
44	8.4	11.4	10.4
50	9.6	12.6	11.6
54	10.4	13.4	12.4
60	11.6	14.6	13.6

24 5802 0XX 002 829S+

極数 Number of positions

注) 生産可能極数については営業部にご確認願います。
Note) Feel free to contact our sales department
for available numbers of positions.

梱包数量：3000個/リール
PACKING QUANTITY：3000 /Reel