

1.27 mm Pitch Series 5061



シリーズ (Series)	5061
極間隔 (Pitch)	1.27mm
極数 (No. of Positions)	20~120
定格電流 (Rated Current)	AC/DC 0.5A
定格電圧 (Rated Voltage)	AC/DC 250V
耐電圧 (D.W.Voltage)	AC 650Vrms/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)	-55~85℃

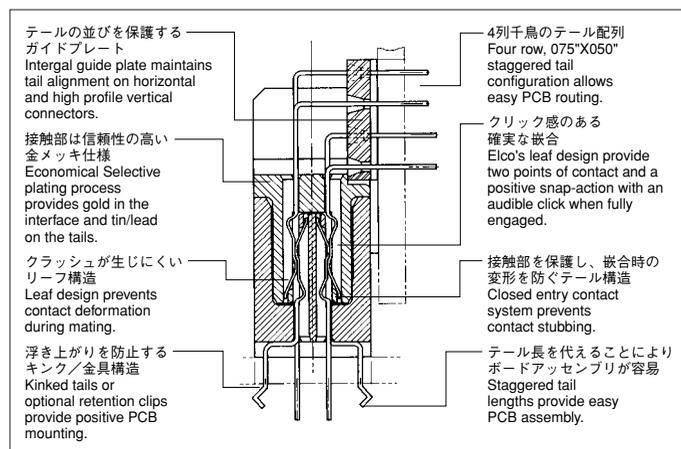
SERIES 5061

◇概要

5061シリーズは、電子機器の一層のコンパクト化、高密度化を目指して開発された1.27mmピッチのコネクタです。コンタクトは、プラグ・リセ同型、片面2点接触のリーフ構造でクリック感のある嵌合をします。ストレート、ライトアングル、フランジ付き、ワンタッチロックなど豊富なバリエーションを用意しています。基板間高さは12.0mmから最大24.0mmの組み合わせが可能です。リセブタクルは、5072シリーズのプラグとも嵌合します。

◇Outline

Series 5061 is a 1.27mm pitch Board to Board connector that was developed aiming further downsizing and high density package of electrical equipment. Contacts used in both of plug and receptacle connectors are of the same shape, and the leaf style design provides two points of contact and ensures the clicking feeling when mated with each other. Wide variations are available such as vertical type, right-angle type, with flange, one-touch locking system type. From 12.0mm to 24.0mm of stacking heights are obtained with combination of the connectors. The receptacle connector is compatible with the Series 5072 plug 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.

1.27 mm Pitch Series 5072



シリーズ (Series)	5072
極間隔 (Pitch)	1.27mm
極数 (No. of Positions)	20~120
定格電流 (Rated Current)	AC/DC 0.5A
定格電圧 (Rated Voltage)	AC/DC 250V
耐電圧 (D.W.Voltage)	AC 650Vrms/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)	-55~85°C

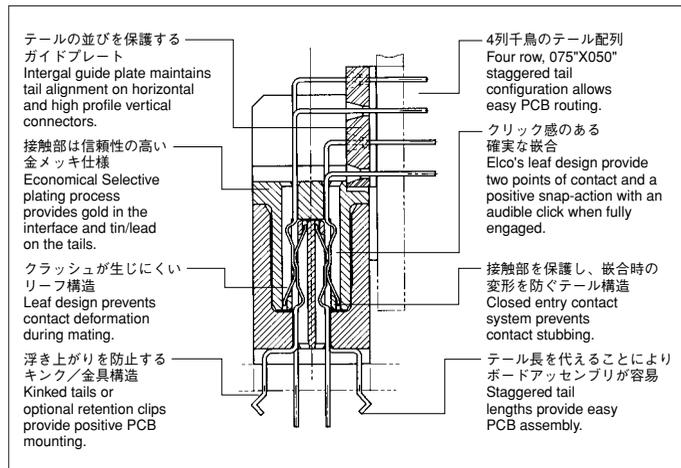
SERIES 5072

◇概要

5072シリーズは、5061シリーズリセプタクルと嵌合します。新しいコンタクトの開発によって、5061シリーズプラグとの嵌合より挿入力が約10%低下しました。接触長が長く、シーケンシャル接触も可能になりました。

◇Outline

The plug connector of Series 5072 is mated to the receptacle connector of Series 5061. The mating force is reduced by approximately 10% compared to the mating of plug and receptacle connectors of Series 5061. The contacting area gets longer and sequential contacting is enabled.



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.

1.27mm Ptc

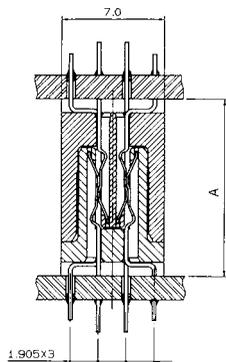
SERIES

5061/5072

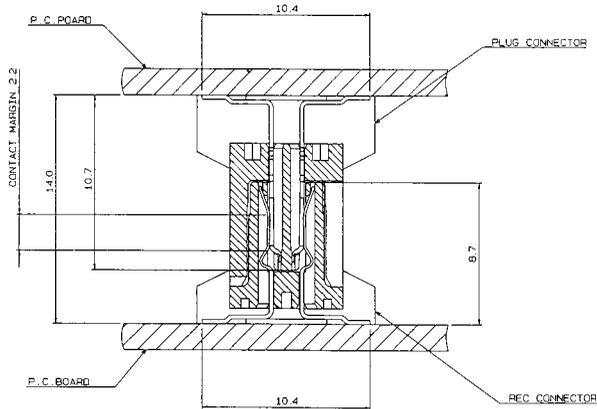
アプリケーション一覧 APPLICATIONS

平行実装 PARALLEL

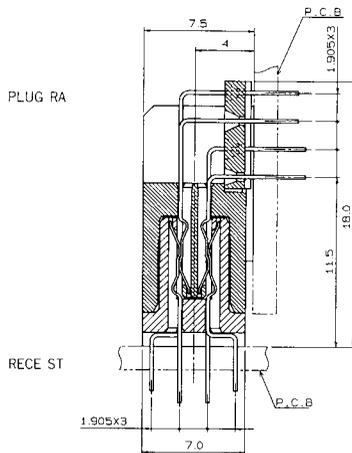
5061 PLUG ST



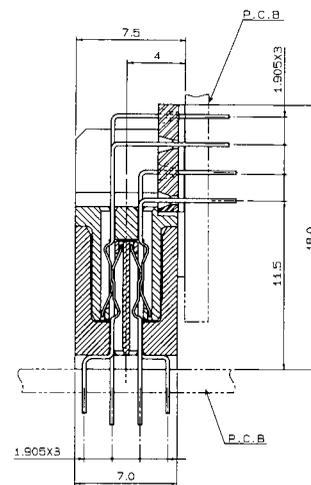
5061 RECE ST



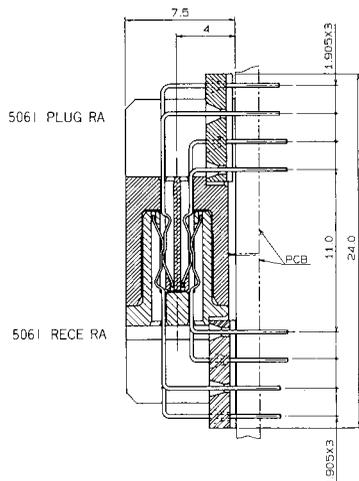
垂直実装 VERTICAL



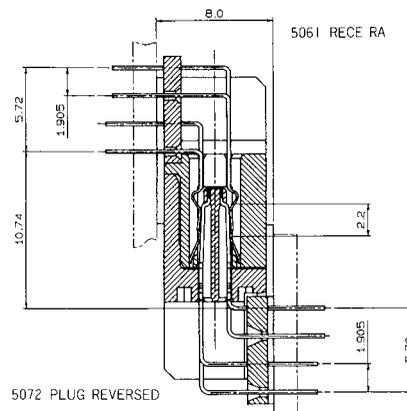
5061 RECE RA



水平実装 HORIZONTAL



リバース REVERSED



1.27mm Pitch

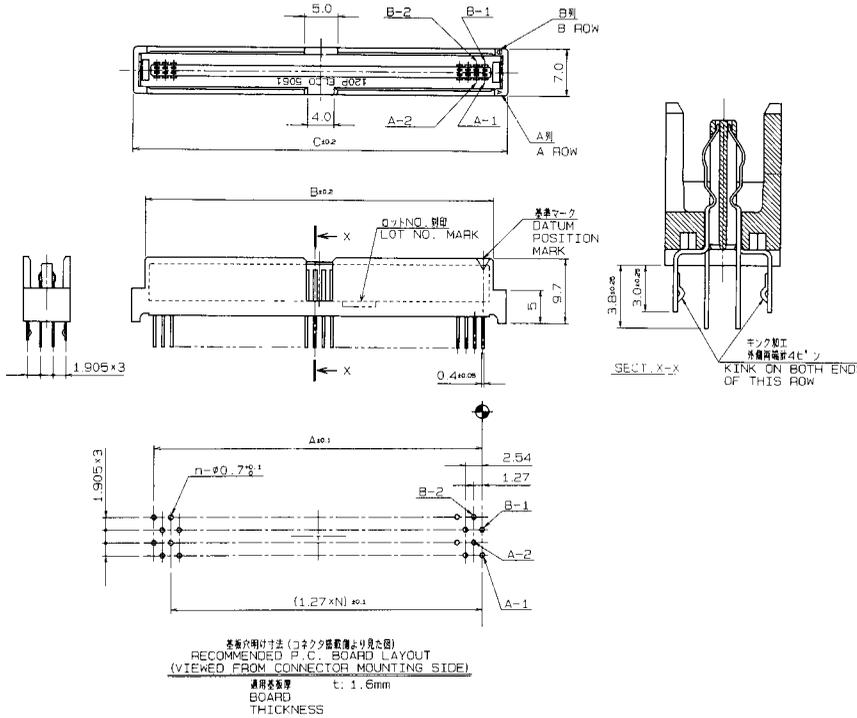
SERIES

5061

プラグ ST DIP フランジ無・有

Plug Vertical Through Hole type (With Flange and Without Flange)

● Without Flange

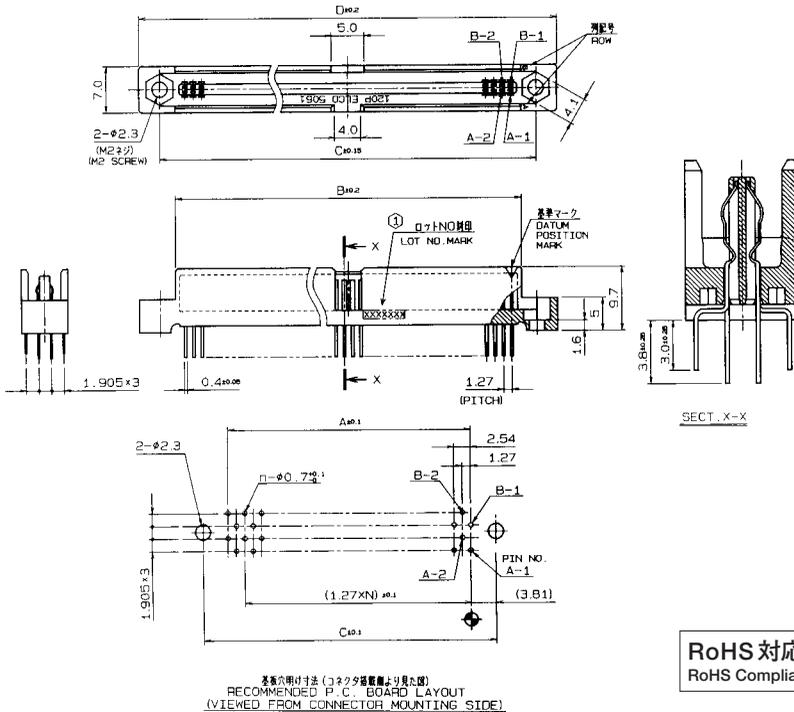


寸法表 DIMENSION				
極数 NO. OF POS.	型番 P/N	A	B	C
20	10 5061 020 000 XXX+	11.43	14.43	18.43
30	030	17.78	20.78	24.78
40	040	24.13	27.13	31.13
50	050	30.48	33.48	37.48
60	060	36.83	39.83	43.83
68	068	41.91	44.91	48.91
80	080	49.53	52.53	56.53
100	100	62.23	65.23	69.23
120	10 5061 120 000 XXX+	74.93	77.93	81.93

Plating Code		
Plating Spec	XXX+	RoHS
Au 0.1 μm Min.	856+	Yes
Au 0.25 μm Min.	861+	Yes
Au 0.76 μm Min.	863+	Yes
Au 0.5 μm Min.	871+	Yes

梱包形態：トレー
PACKING STYLE : Tray

● With Flange



寸法表 DIMENSION					
極数 NO. OF POS.	型番 P/N	A	B	C	D
20	10 5061 020 002 XXX+	11.43	14.43	19.05	25.43
30	030	17.78	20.78	25.40	31.78
40	040	24.13	27.13	31.75	38.13
50	050	30.48	33.48	38.10	44.48
60	060	36.83	39.83	44.45	50.83
80	080	49.53	52.53	57.15	63.53
100	100	62.23	65.23	69.85	76.23
120	10 5061 120 002 XXX+	74.93	77.93	82.55	88.93

Plating Code		
Plating Spec	XXX+	RoHS
Au 0.1 μm Min.	856+	Yes
Au 0.25 μm Min.	861+	Yes
Au 0.76 μm Min.	863+	Yes
Au 0.5 μm Min.	871+	Yes

RoHS 対応品
RoHS Compliant Product

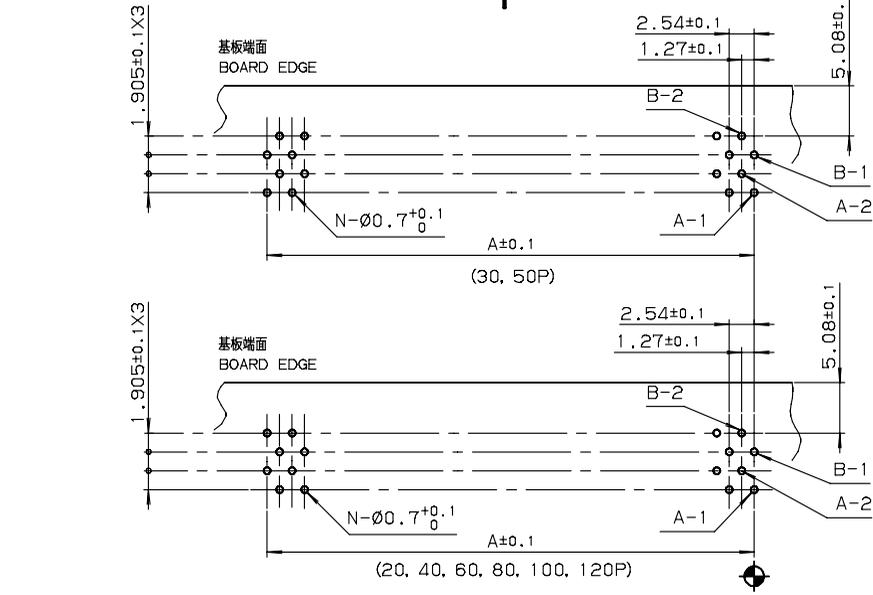
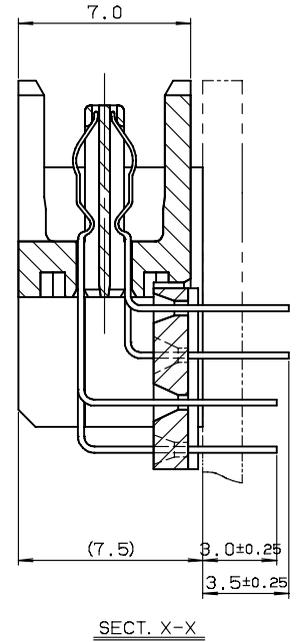
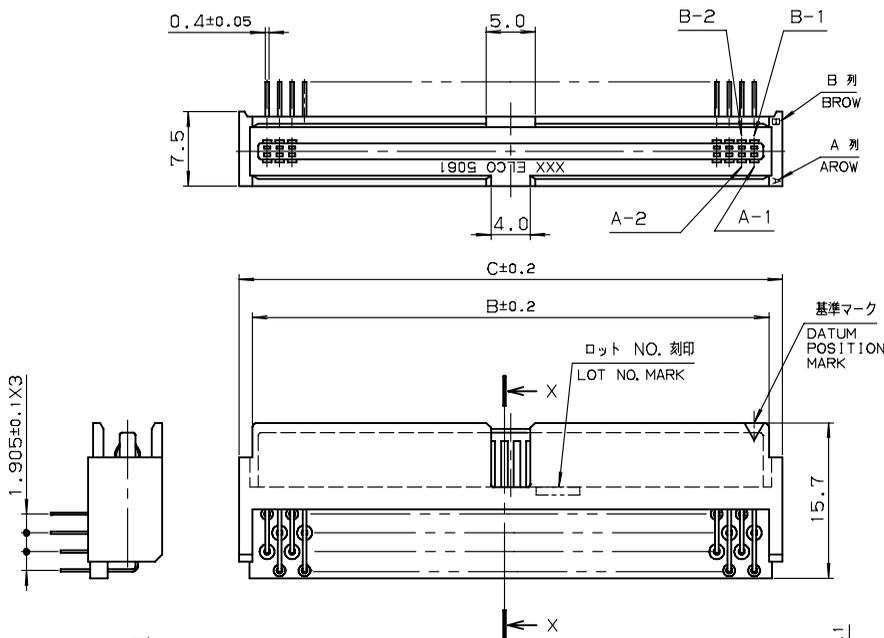
注) 生産可能極数については営業部にご確認願います。
Note) Feel free to contact our sales department for available numbers of positions.

梱包形態：トレー
PACKING STYLE : Tray

1.27mm Pitch
SERIES

5061

プラグ RA DIP フランジ無
Plug Right Angle Through Hole type (Without Flange)



基板穴明け寸法 (コネクタ搭載側より見た図)
RECOMMENDED P. C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)
(適用基板厚 t=1.6mm)
BOARD THICKNESS

寸法表 DIMENSION				
極数 NO. OF POS.	型番 P/N	A	B	C
20	10 5061 020 106 XXX+	11.43	14.43	18.43
30	030	17.78	20.78	24.78
40	040	24.13	27.13	31.13
50	050	30.48	33.48	37.48
60	060	36.83	39.83	43.83
80	080	49.53	52.53	56.53
100	100	62.23	65.23	69.23
120	10 5061 120 106 XXX+	74.93	77.93	81.93

Plating Code		
Plating Spec	XXX+	RoHS
Au 0.1 μm Min.	856+	Yes
Au 0.25 μm Min.	861+	Yes
Au 0.5 μm Min.	871+	Yes

RoHS 対応品
RoHS Compliant Product

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.

梱包形態 : トレー
PACKING STYLE : Tray

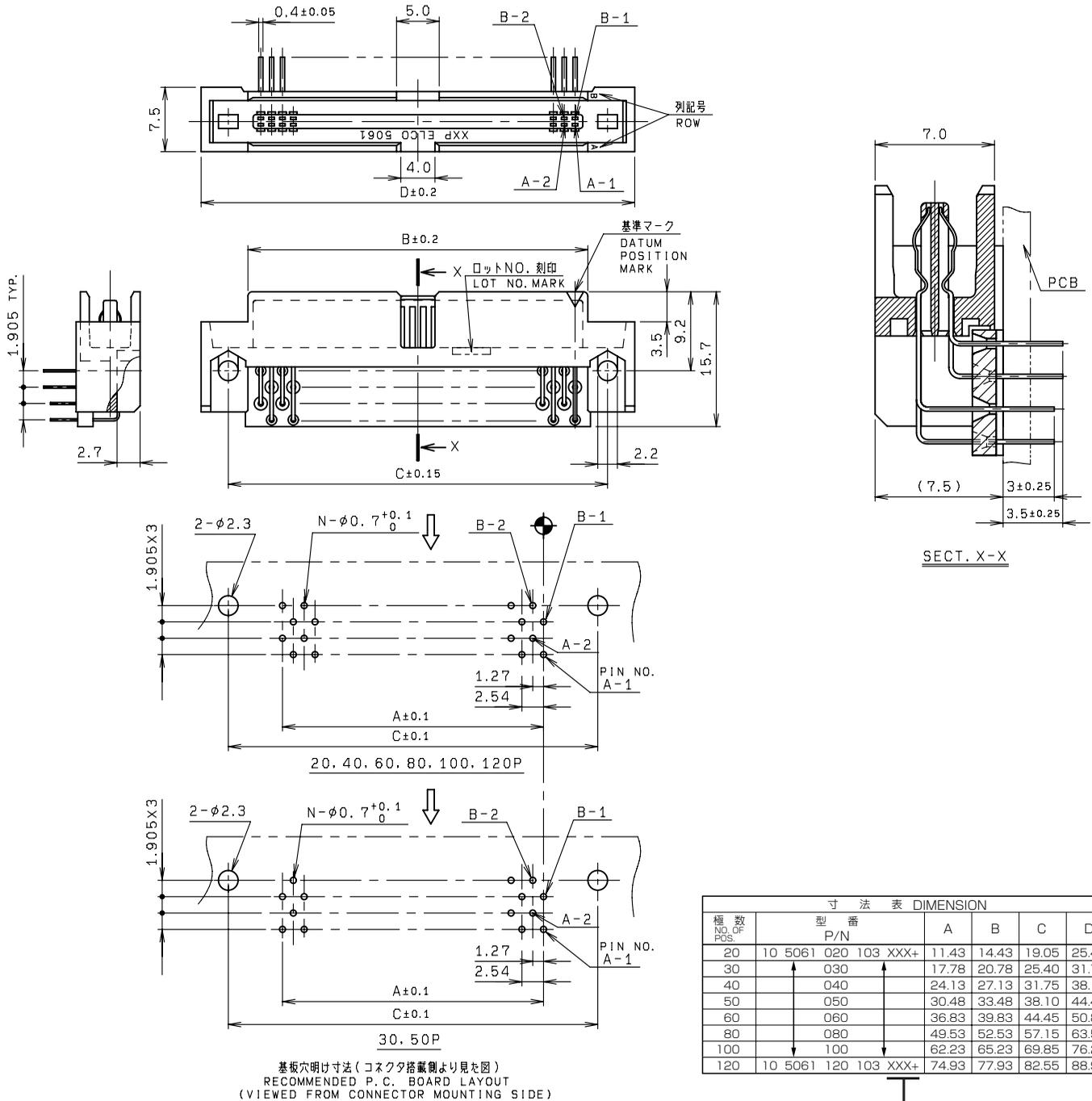
1.27mm Pitch

SERIES

5061

プラグ RA DIP フランジ有

Plug Right Angle Through Hole type (With Flange)



基板穴明け寸法 (コネクタ搭載側より見た図)
RECOMMENDED P.C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)

適用基板厚 t : 1.6mm
BOARD THICKNESS

寸法表 DIMENSION					
極数 NO. OF POS.	型番 P/N	A	B	C	D
20	10 5061 020 103 XXX+	11.43	14.43	19.05	25.43
30	030	17.78	20.78	25.40	31.78
40	040	24.13	27.13	31.75	38.13
50	050	30.48	33.48	38.10	44.48
60	060	36.83	39.83	44.45	50.83
80	080	49.53	52.53	57.15	63.53
100	100	62.23	65.23	69.85	76.23
120	10 5061 120 103 XXX+	74.93	77.93	82.55	88.93

Plating Code			
Plating Spec	XXX+	RoHS	
Au 0.1μm Min.	856+	Yes	
Au 0.25μm Min.	861+	Yes	
Au 0.5μm Min.	871+	Yes	

RoHS 対応品
RoHS Compliant Product

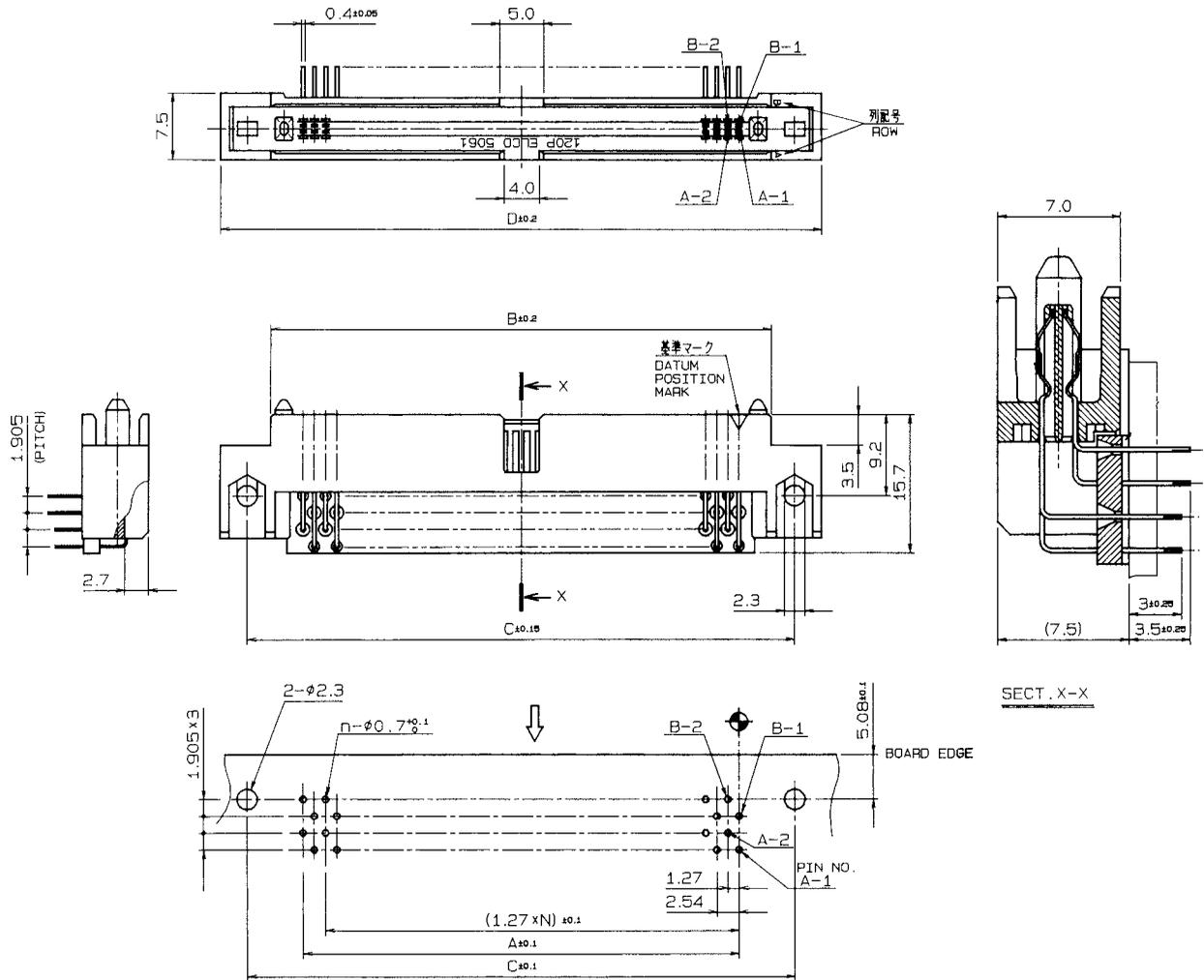
注) 生産可能極数については営業部にご確認願います。
Note) Feel free to contact our sales department for available numbers of positions.

梱包形態 : トレー
PACKING STYLE : Tray

1.27mm Pitch
SERIES

5061

プラグ RA DIP フランジ有 ガイド付
Plug Right Angle Through Hole type (With Flange and Guide)



基板穴明け寸法 (コネクタ横断面より見た図)
RECOMMENDED P.C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)

適用基板厚 t: 1.6mm
BOARD THICKNESS

寸法表 DIMENSION					
極数 NO. OF POS.	型番 P/N	A	B	C	D
20	10 5061 020 102 XXX+	11.43	18.83	24.13	30.23
30	030	17.78	25.18	30.48	36.58
40	040	24.13	31.53	36.83	42.93
50	050	30.48	37.88	43.18	49.28
60	060	36.83	44.23	49.53	55.63
80	080	49.53	56.93	62.23	68.33
100	100	62.23	69.63	74.93	81.03
120	10 5061 120 102 XXX+	74.93	82.33	87.63	93.73

Plating Code	
Plating Spec	XXX+ RoHS
Au 0.1 μm Min.	856+ Yes
Au 0.25 μm Min.	861+ Yes
Au 0.5 μm Min.	871+ Yes

RoHS 対応品
RoHS Compliant Product

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.

梱包形態: トレー
PACKING STYLE: Tray

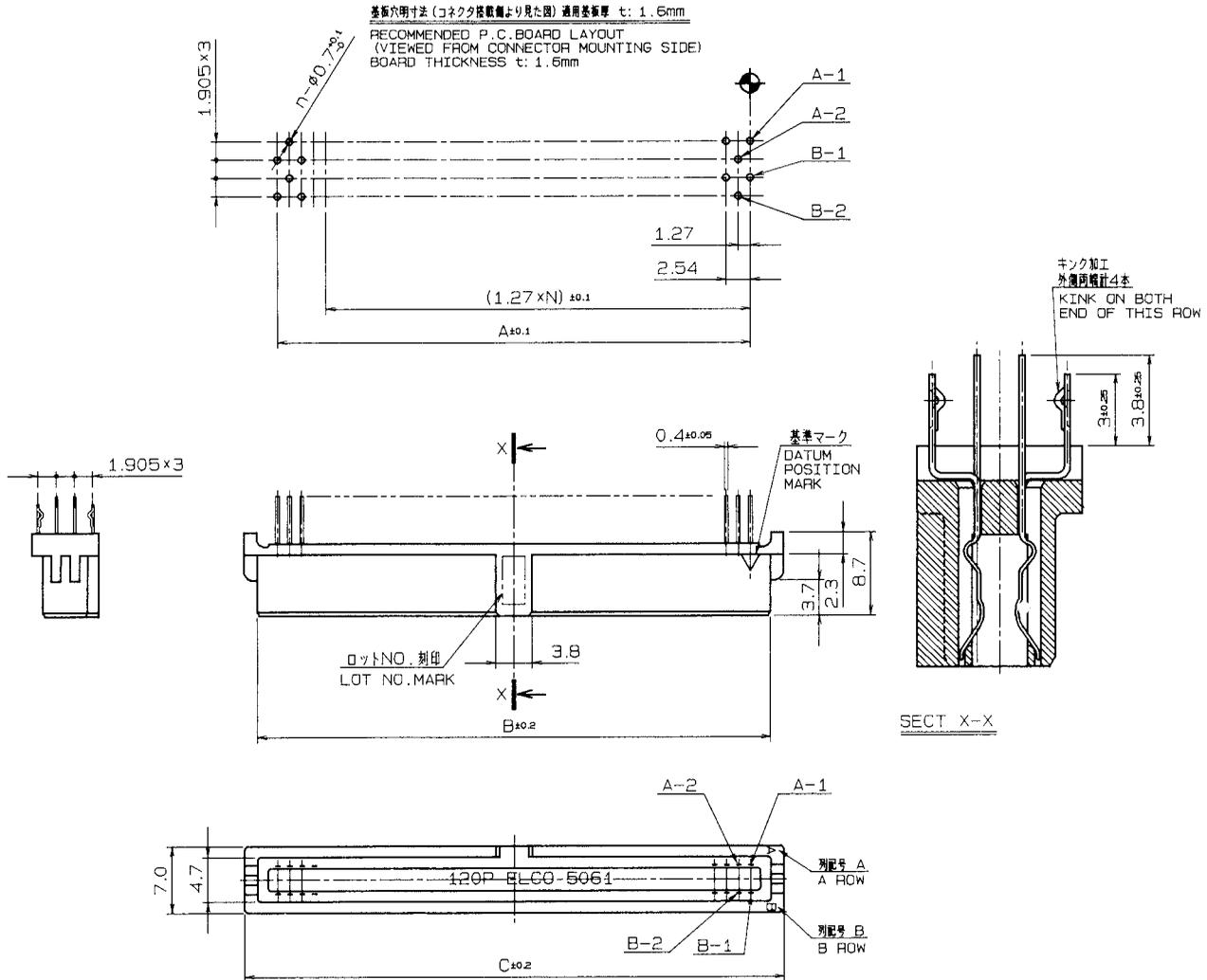
1.27mm Pitch

SERIES

5061

リセ ST DIP フランジ無 キンク付

Receptacle Vertical Through Hole type (Without Flange, With Kink)



寸法表 DIMENSION				
極数 NO. OF POS	型番 P/N	A	B	C
20	20 5061 020 051 XXX+	11.43	15.63	18.43
30	↑ 030 ↑	17.78	21.98	24.78
40	040	24.13	28.33	31.13
50	050	30.48	34.68	37.48
60	060	36.83	41.03	43.83
68	068	41.91	46.11	48.91
80	080	49.53	53.73	56.53
100	↓ 100 ↓	62.23	66.43	69.23
120	20 5061 120 051 XXX+	74.93	79.13	81.93

Plating Code		
Plating Spec	XXX+	RoHS
Au 0.1 μm Min.	856+	Yes
Au 0.25 μm Min.	861+	Yes
Au 0.76 μm Min.	863+	Yes
Au 0.5 μm Min.	871+	Yes

RoHS 対応品
 RoHS Compliant Product

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.

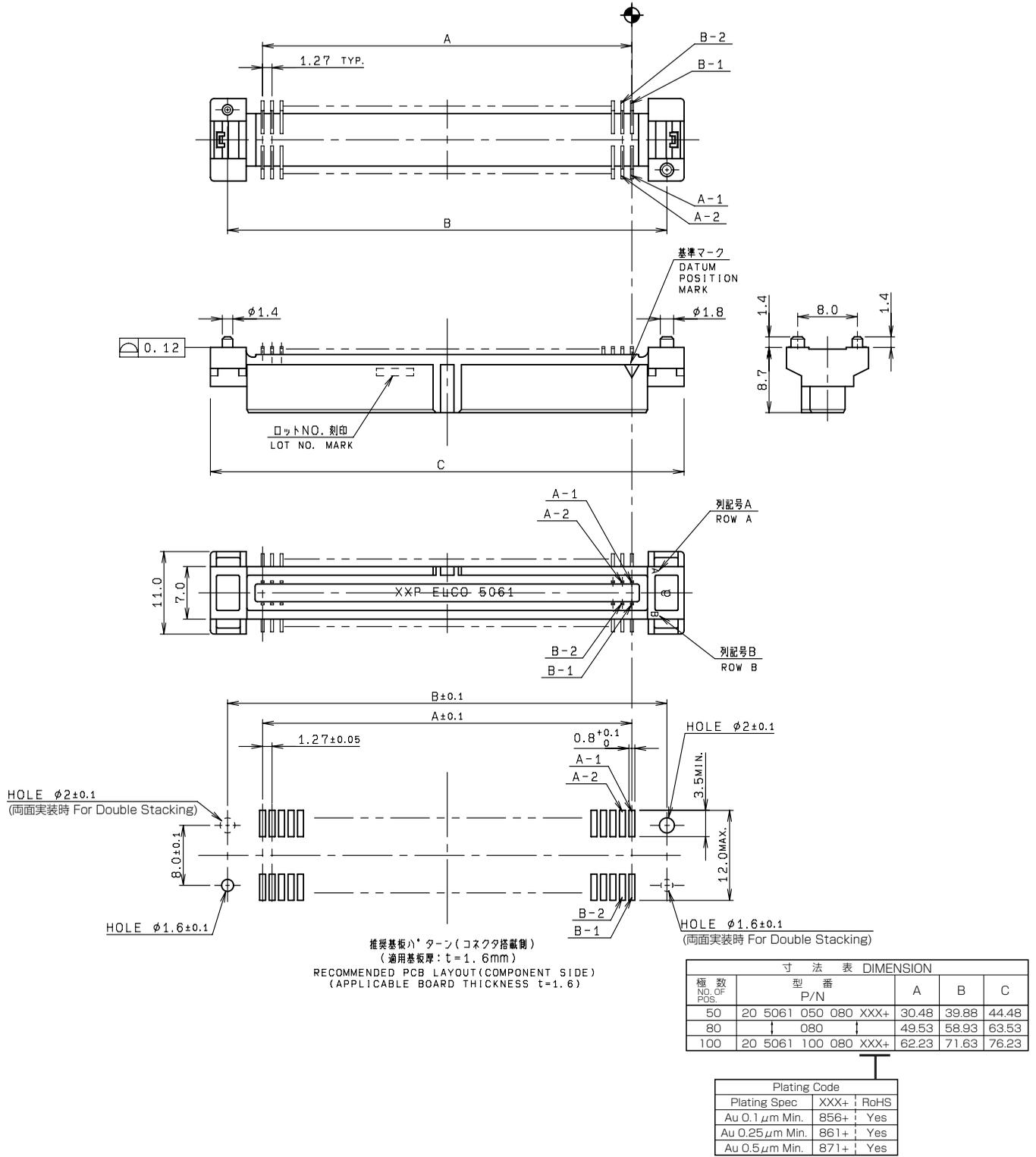
梱包形態：トレイ
 PACKING STYLE : Tray

1.27mm Pitch

SERIES

5061

リセ ST SMT フランジ有
Receptacle Vertical SMT (With Flange)



RoHS対応品
RoHS Compliant Product

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.

梱包形態: トレー
PACKING STYLE: Tray

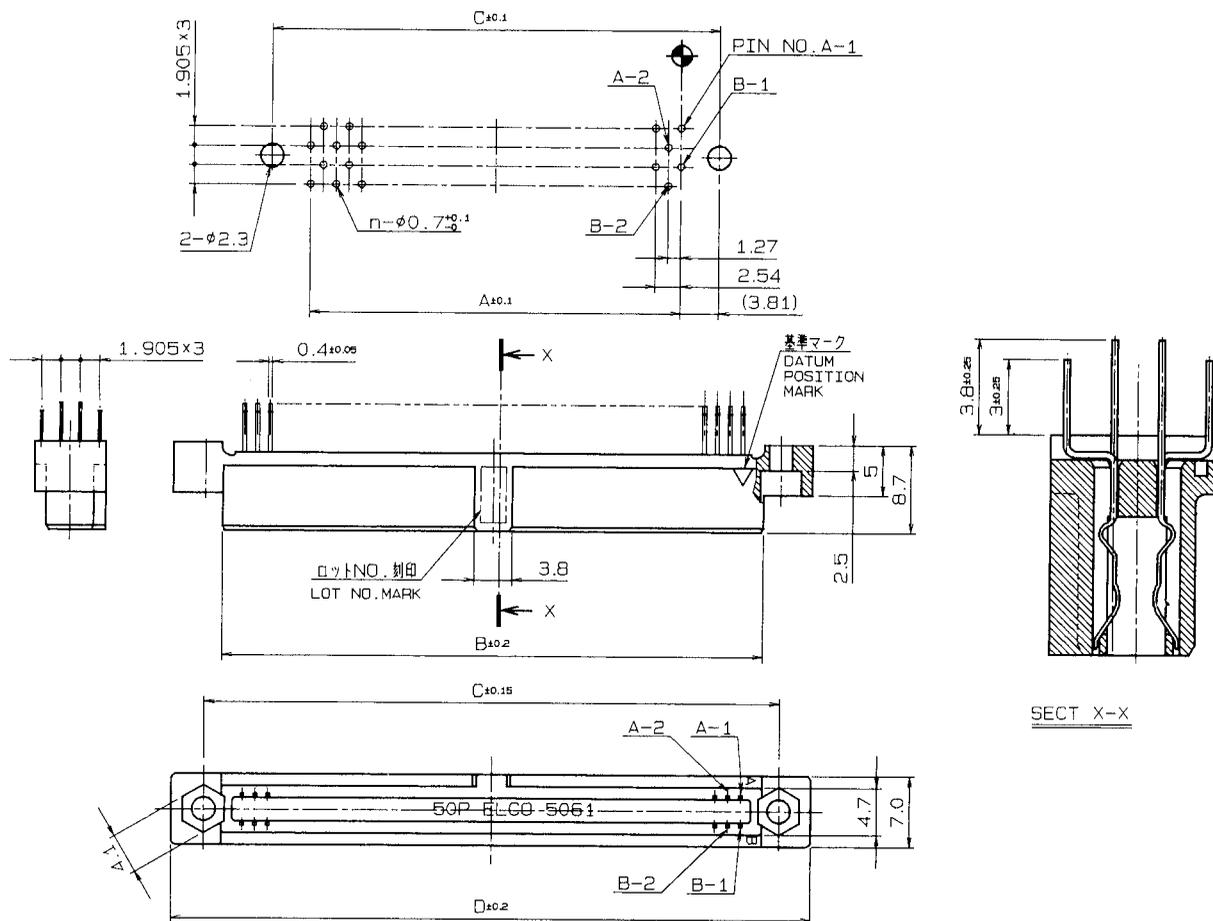
1.27mm Pitch
SERIES

5061

リセ ST DIP フランジ有 ネジ穴用
Receptacle Vertical Through Hole type (With Flange For Screw Hole)

基板穴明寸法 (コネクタ搭載側より見た図) 適用基板厚 t: 1.6mm

RECOMMENDED P.C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)
(BOARD THICKNESS t: 1.6mm)



寸法表 DIMENSION							
極数 POS OR PINS	型番 P/N	A	B	C	D		
20	20 5061 020 052 XXX+	11.43	15.63	19.05	25.43		
30	↑ 030	17.78	21.98	25.40	31.78		
40	↑ 040	24.13	28.33	31.75	38.13		
50	↑ 050	30.48	34.68	38.10	44.48		
60	↑ 060	36.83	41.03	44.45	50.83		
80	↑ 080	49.53	53.73	57.15	63.53		
100	↑ 100	62.23	66.43	69.85	76.23		
120	20 5061 120 052 XXX+	74.93	79.13	82.55	88.93		

Plating Code			
Plating Spec	XXX+	RoHS	
Au 0.1 μm Min.	856+	Yes	
Au 0.25 μm Min.	861+	Yes	
Au 0.76 μm Min.	863+	Yes	
Au 0.5 μm Min.	871+	Yes	

RoHS 対応品
RoHS Compliant Product

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.

梱包形態: トレー
PACKING STYLE: Tray

1.27mm Pitch

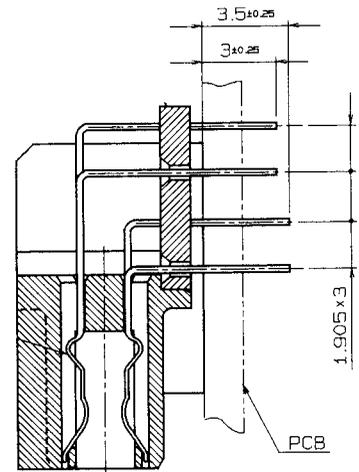
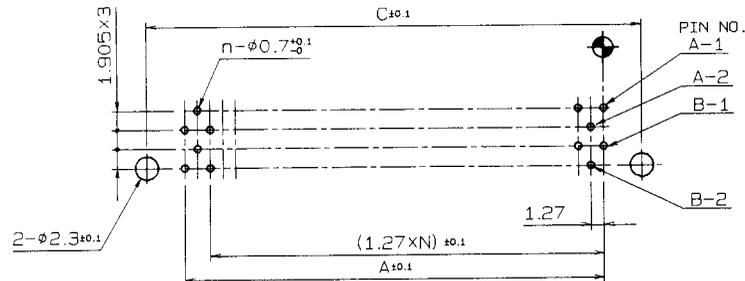
SERIES

5061

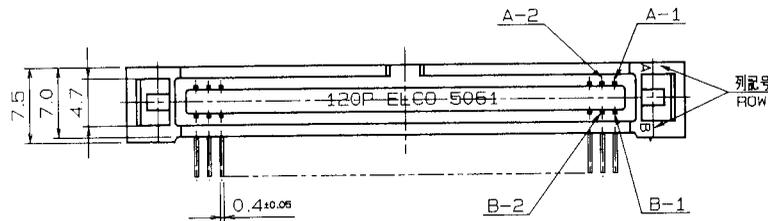
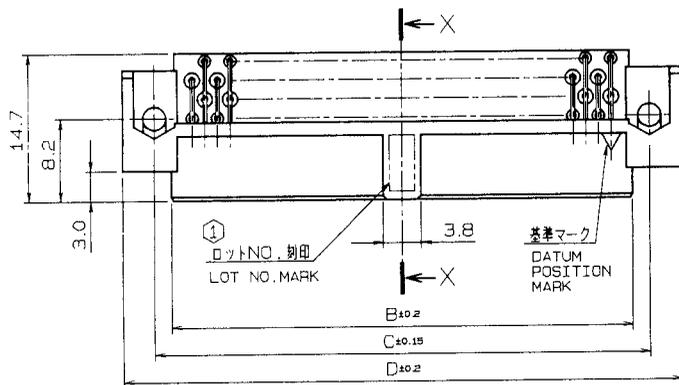
リセ RA DIP フランジ有

Receptacle Right Angle Through Hole type (With Flange)

基板穴明寸法 (コネクタ搭載側より見た図) 適用基板厚 t: 1.6mm
 RECOMMENDED P.C. BOARD LAYOUT
 (VIEWED FROM CONNECTOR MOUNTING SIDE)
 BOARD THICKNESS t: 1.6mm



SECT X-X



寸法表 DIMENSION					
極数 NO. OF POS.	型番 P/N	A	B	C	D
20	20 5061 020 103 XXX+	11.43	15.63	19.05	25.43
30	030	17.78	21.98	25.40	31.78
40	040	24.13	28.33	31.75	38.13
50	050	30.48	34.68	38.10	44.48
60	060	36.83	41.03	44.45	50.83
68	068	41.91	46.11	49.53	55.91
80	080	49.53	53.73	57.15	63.53
100	100	62.23	66.43	69.85	76.23
120	20 5061 120 103 XXX+	74.93	79.13	82.55	88.93

Plating Code	
Plating Spec	XXX+ RoHS
Au 0.1μm Min.	856+ Yes
Au 0.25μm Min.	861+ Yes
Au 0.5μm Min.	871+ Yes

RoHS 対応品
RoHS Compliant Product

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.

梱包形態: トレー
 PACKING STYLE: Tray

1.27mm Pitch

SERIES

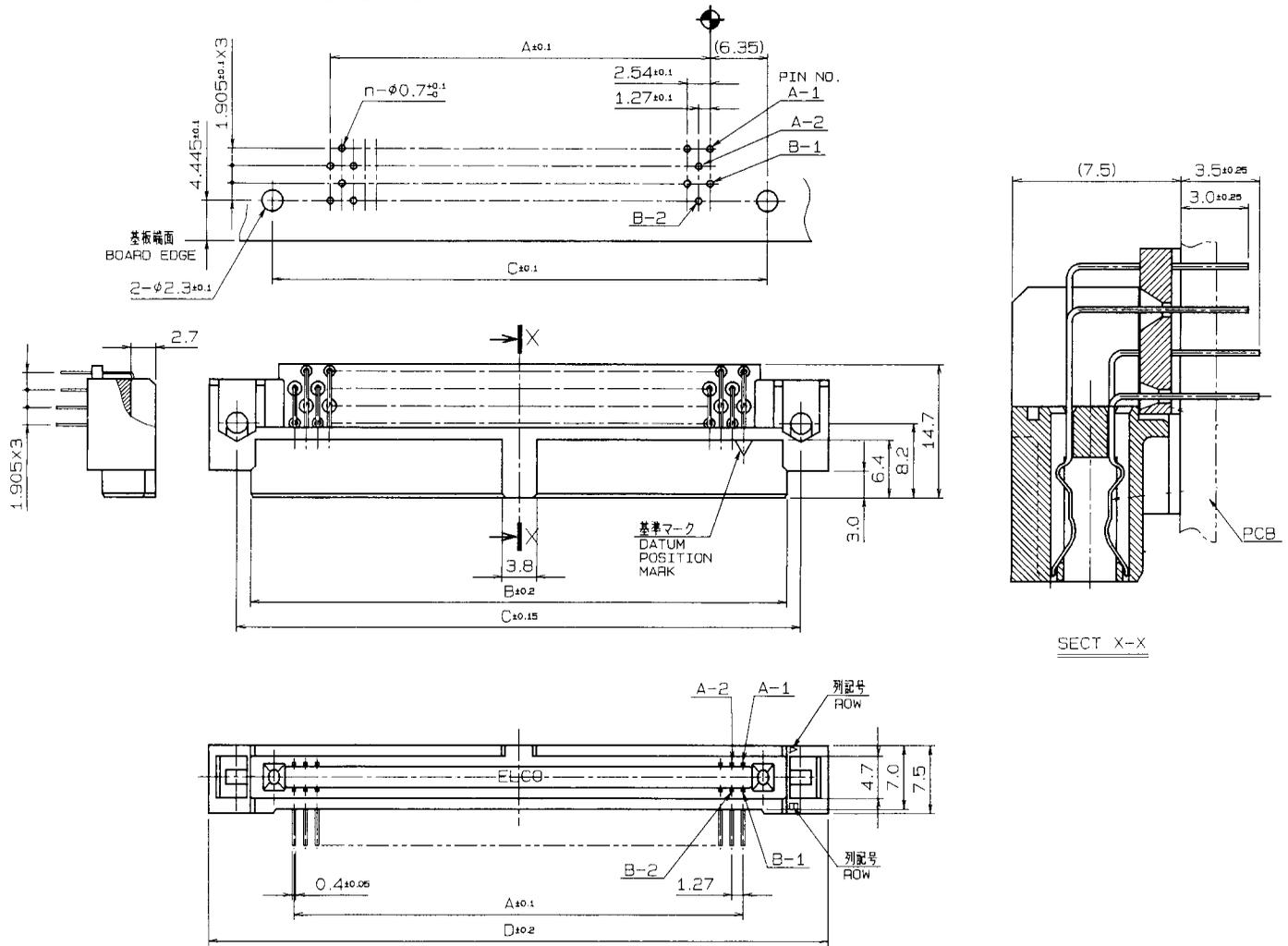
5061

リセ RA DIP フランジ有 ガイド付

Receptacle Right Angle Through Hole type (With Flange and Guide)

基板穴明寸法 (コネクタ略図側より見た図) 適用基板厚 t: 1.6mm

RECOMMENDED P.C.BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)
BOARD THICKNESS t: 1.6mm



寸法表 DIMENSION					
極数 NO. OF PGS.	型番 P/N	A	B	C	D
20	20 5061 020 102 XXX+	11.43	21.03	24.13	30.23
30	↑ 030 ↑	17.78	27.38	30.48	36.58
40	040	24.13	33.73	36.83	42.93
50	050	30.48	40.08	43.18	49.28
60	060	36.83	46.43	49.53	55.63
80	080	49.53	59.13	62.23	68.33
100	↓ 100 ↓	62.23	71.83	74.93	81.03
120	20 5061 120 102 XXX+	74.93	84.53	87.63	93.73

Plating Code			
Plating Spec	XXX+	RoHS	
Au 0.1 μm Min.	856+	Yes	
Au 0.25 μm Min.	861+	Yes	
Au 0.5 μm Min.	871+	Yes	

RoHS 対応品
RoHS Compliant Product

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.

梱包形態 : トレー
PACKING STYLE : Tray

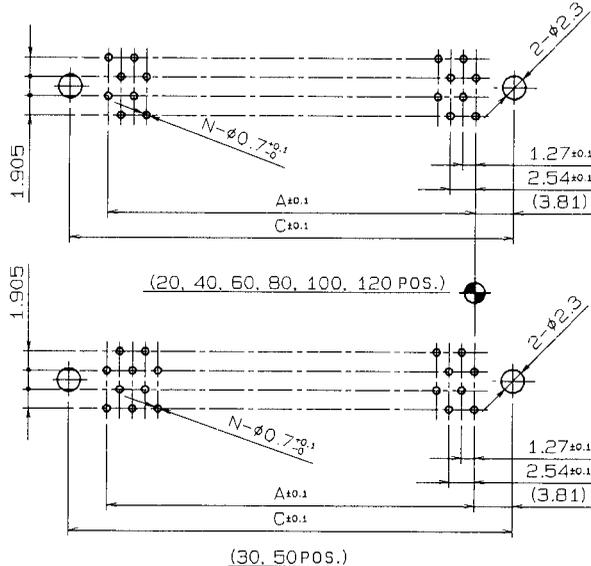
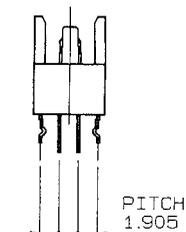
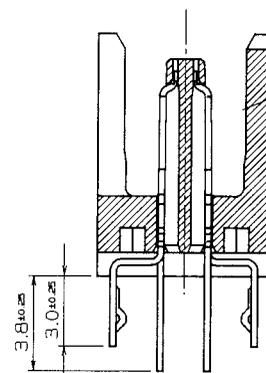
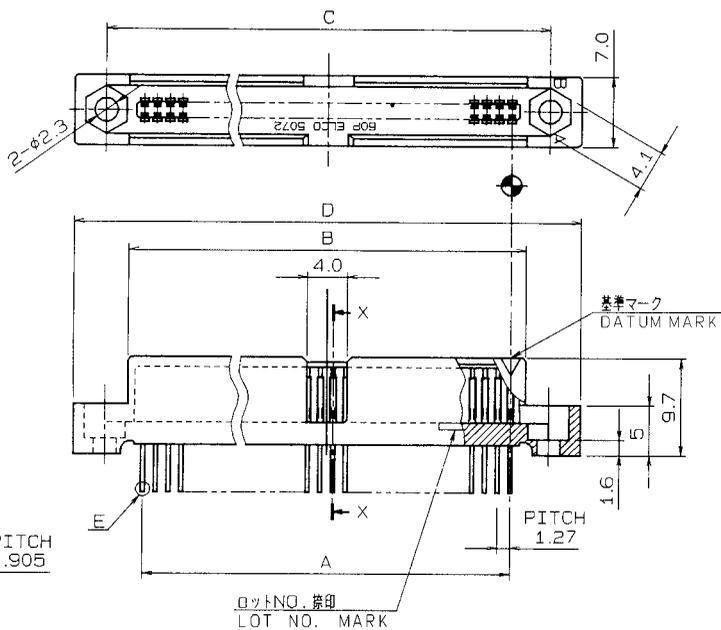
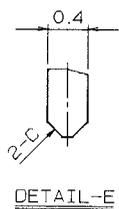
1.27mm Pitch

SERIES

5072

プラグ ST DIP フランジ有 キンク付

Plug Vertical Through Hole type (With Flange and Kink)



基板穴明寸法 (コネクタ搭載側より見た図)
RECOMMENDED P. C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)

寸法表 DIMENSION		A	B	C	D
極数 NO. OF POS.	型番 P/N				
20	10 5072 020 001 871+	11.43	14.43	19.05	25.43
30	030	17.78	20.78	25.40	31.78
40	040	24.13	27.13	31.75	38.13
50	050	30.48	33.48	38.10	44.48
60	060	36.83	39.83	44.45	50.83
80	080	49.53	52.53	57.15	63.53
100	100	62.23	65.23	69.85	76.23
120	10 5072 120 001 871+	74.93	77.93	82.55	88.93

Plating Code		
Plating Spec	XXX	RoHS
Au 0.5μm Min.	871	Yes

RoHS対応品
RoHS Compliant Product

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.

梱包形態 : トレー
PACKING STYLE : Tray

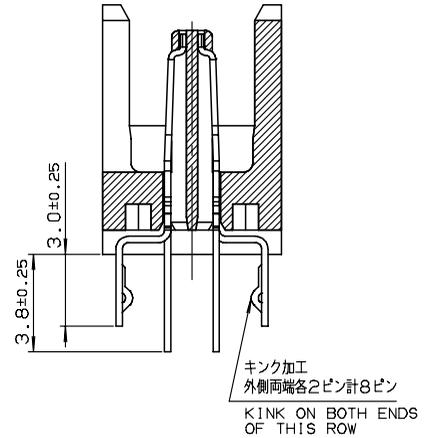
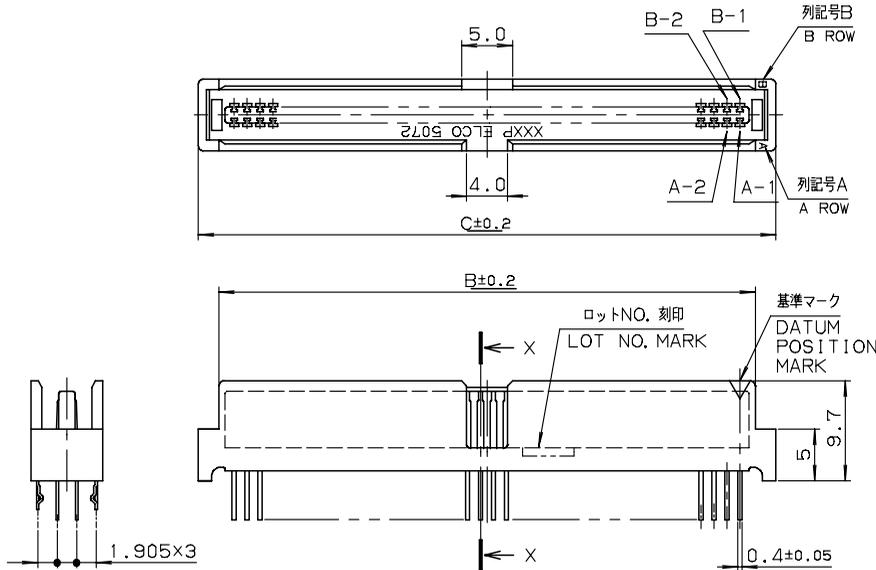
1.27mm Pitch

SERIES

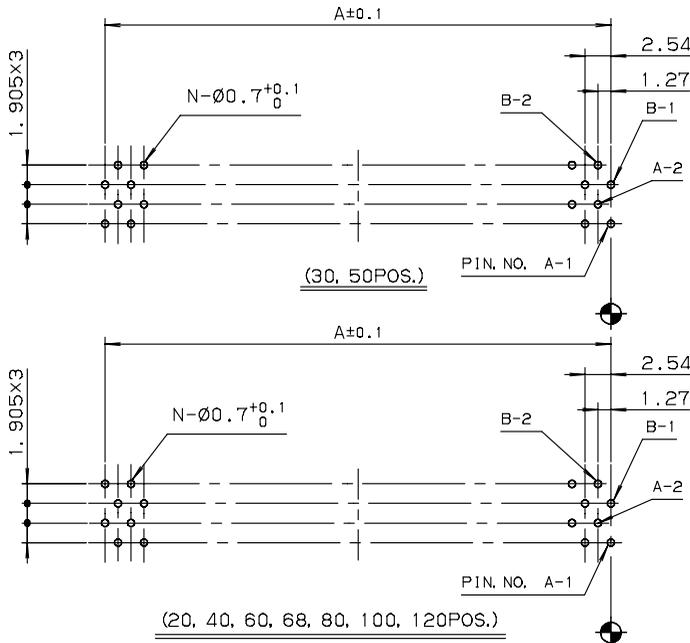
5072

プラグ ST DIP フランジ無 キンク付

Plug Vertical Through Hole type (Without Flange, With Kink)



SECT. X-X



基板穴明け寸法 (コネクタ搭載側より見た図)
RECOMMENDED P. C. BOARD LAYOUT
(VIEWED FROM CONNECTOR MOUNTING SIDE)

通用基板厚 t: 1.6mm
BOARD THICKNESS

種数 NO. OF POS.		型番 P/N		寸法表 DIMENSION		
		A	B	C		
20	10	5072	020 000 XXX+	11.43	14.43	18.43
30	↑	030	↑	17.78	20.78	24.78
40	↑	040	↑	24.13	27.13	31.13
50	↑	050	↑	30.48	33.48	37.48
60	↑	060	↑	36.83	39.83	43.83
68	↑	068	↑	41.91	44.91	48.91
80	↑	080	↑	49.53	52.53	56.53
100	↑	100	↑	62.23	65.23	69.23
120	10	5072	120 000 XXX+	74.93	77.93	81.93

Plating Code		
Plating Spec	XXX+	RoHS
Au 0.1 μm Min.	856+	Yes
Au 0.25 μm Min.	861+	Yes
Au 0.76 μm Min.	863+	Yes
Au 0.5 μm Min.	871+	Yes

RoHS 対応品
RoHS Compliant Product

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.

梱包形態: トレー
PACKING STYLE: Tray

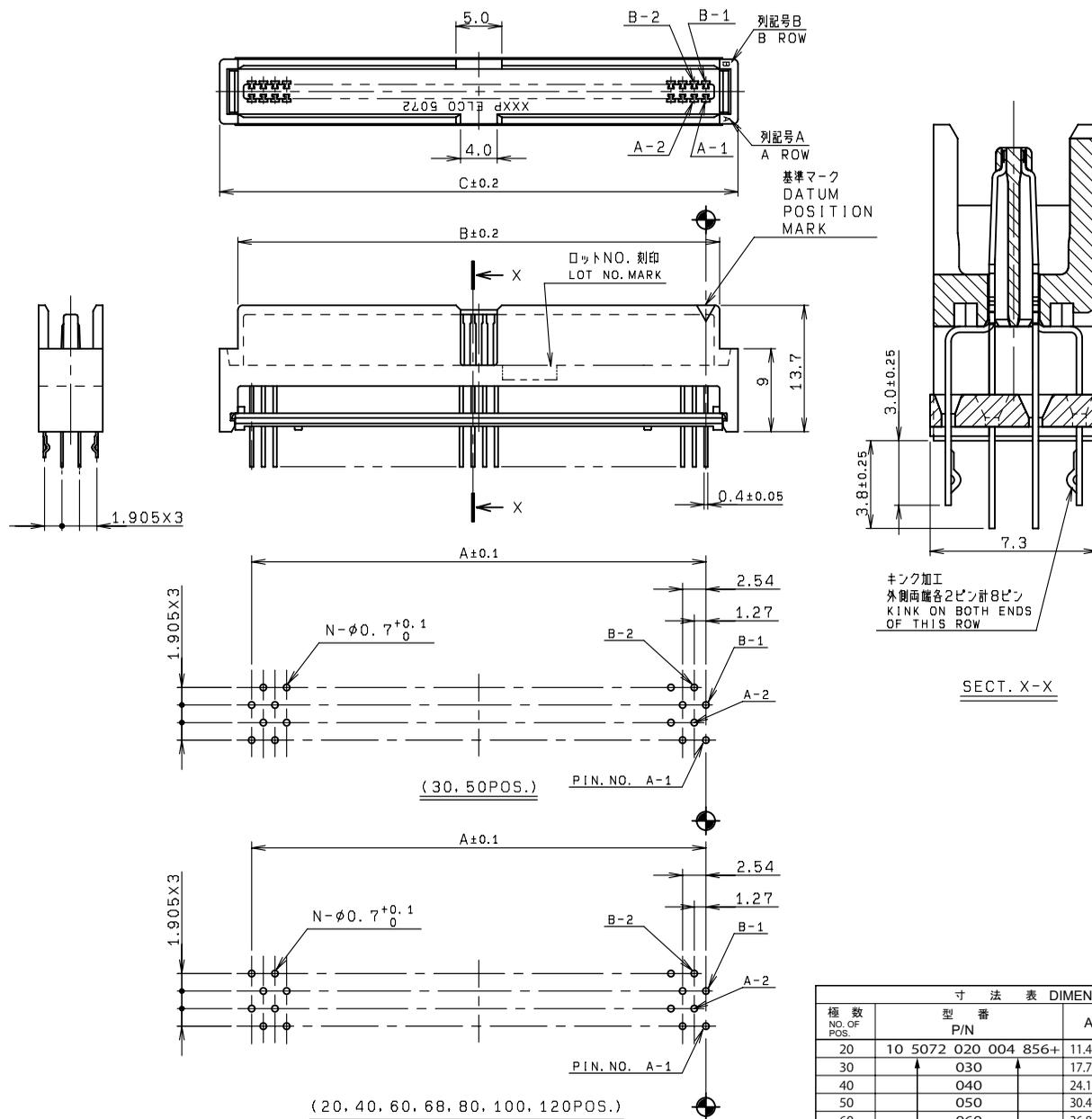
1.27mm Pitch

SERIES

5072

プラグ ST DIP フランジ無 キンク付

Plug Vertical Through Hole type (Without Flange, With Kink)



基板穴明け寸法 (コネクタ搭載側より見た図) 適用基板厚 t : 1.6mm
 RECOMMENDED P.C. BOARD LAYOUT
 (VIEWED FROM CONNECTOR MOUNTING SIDE) BOARD THICKNESS

寸法表 DIMENSION				
種数 NO. OF POS.	型番 P/N	A	B	C
20	10 5072 020 004 856+	11.43	14.43	18.43
30	↑ O30 ↑	17.78	20.78	24.78
40	O40	24.13	27.13	31.13
50	O50	30.48	33.48	37.48
60	O60	36.83	39.83	43.83
68	O68	41.91	44.91	48.91
80	O80	49.53	52.53	56.53
100	↑ 100 ↓	62.23	65.23	69.23
120	10 5072 120 004 856+	74.93	77.93	81.93

Plating Code		
Plating Spec	XXX	RoHS
Au 0.1 μm Min.	856	Yes

RoHS 対応品
RoHS Compliant Product

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.

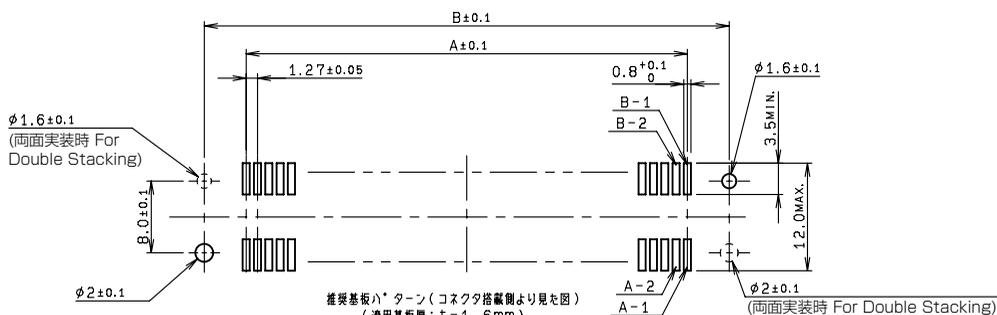
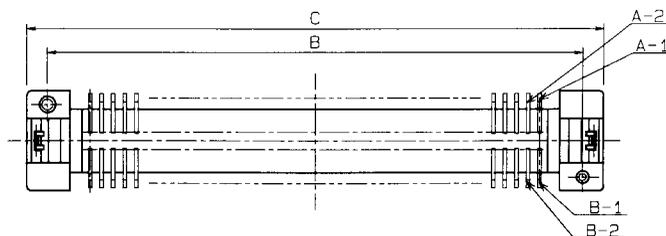
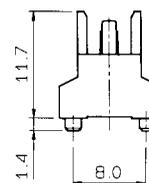
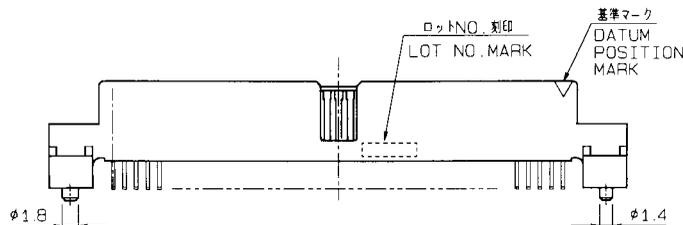
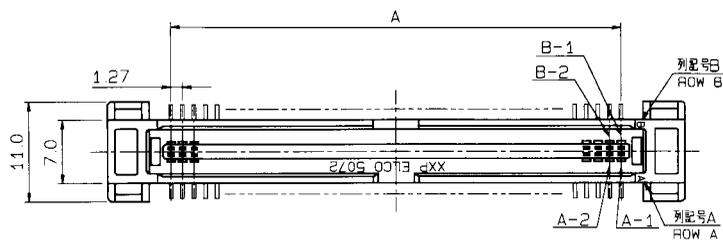
梱包形態 : トレー
 PACKING STYLE : Tray

1.27mm Pitch

SERIES

5072

プラグ ST SMT フランジ有
Plug Vertical SMT (With Flange)



RECOMMENDED PCB LAYOUT
(APPLICABLE BOARD THICKNESS t=1.6)

寸法表 DIMENSION				
極数 NO. OF POS.	型番 P/N	A	B	C
50	10 5072 050 302 856+	30.48	39.88	44.48
80	↑ 080 ↓	49.53	58.93	63.53
100	↑ 100 ↓	62.23	71.63	76.23
120	10 5072 120 302 856+	74.93	84.33	88.93

RoHS 対応品
RoHS Compliant Product

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.

梱包形態: トレー
PACKING STYLE: Tray

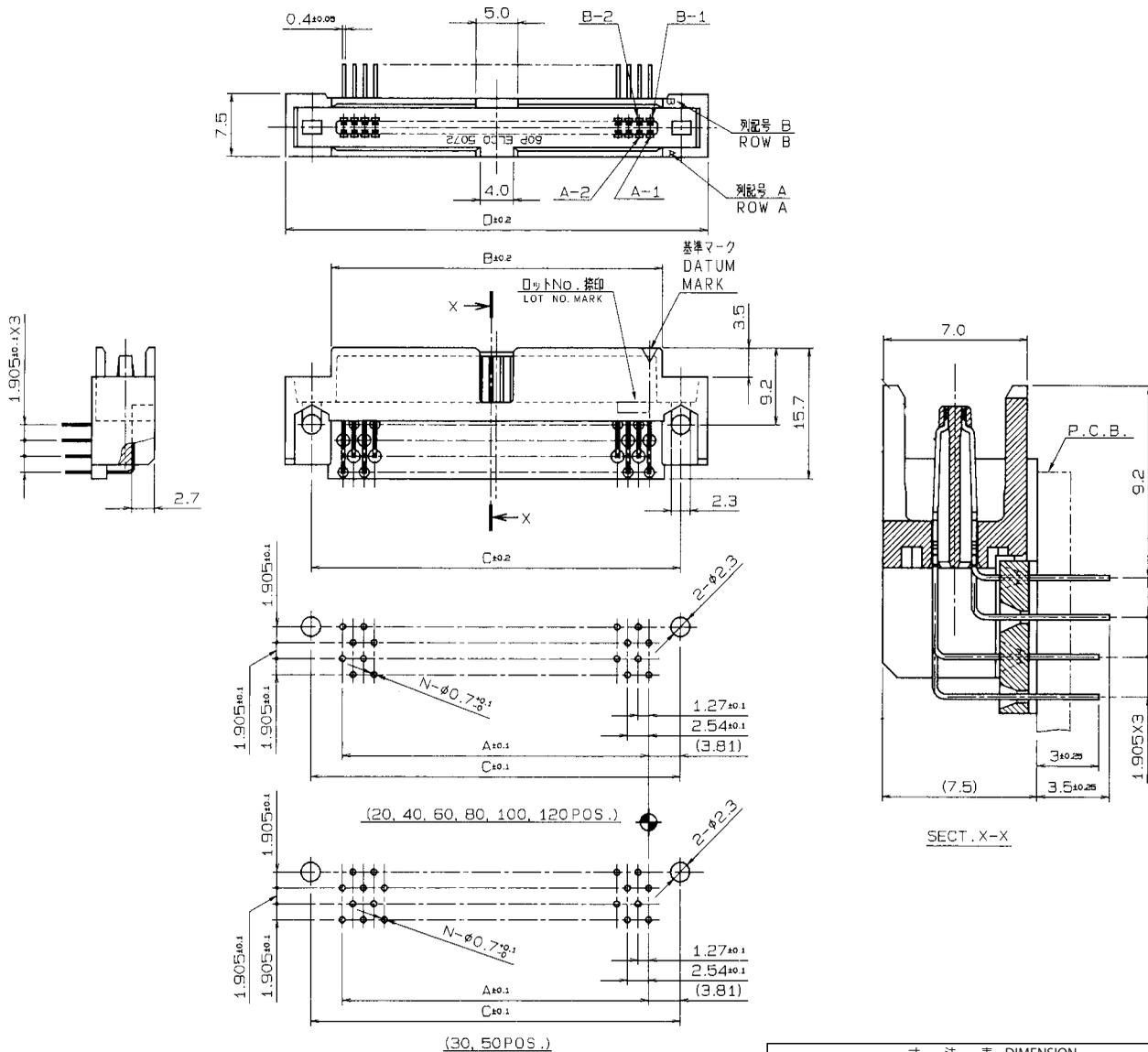
1.27mm Pitch

SERIES

5072

プラグ RA DIP フランジ有

Plug Right Angle Through Hole type (With Flange)



基本穴明寸法 (コネクタ搭載側より見た図)
 RECOMMENDED P.C. BOARD LAYOUT
 (VIEWED FROM CONNECTOR MOUNTING SIDE)

極数		寸法表 DIMENSION			
NO. OF POS.	型番 P/N	A	B	C	D
20	10 5072 020 103 856+	11.43	14.43	19.05	25.43
30	030	17.78	20.78	25.40	31.78
40	040	24.13	27.13	31.75	38.13
50	050	30.48	33.48	38.10	44.48
60	060	36.83	39.83	44.45	50.83
80	080	49.53	52.53	57.15	63.53
100	100	62.23	65.23	69.85	76.23
120	10 5072 120 103 856+	74.93	77.93	82.55	88.93

Plating Code		
Plating Spec	XXX	RoHS
Au 0.1µm Min.	856	Yes

RoHS 対応品
 RoHS Compliant Product

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.

梱包形態 : トレー
 PACKING STYLE : Tray