

## PRODUCT SPECIFICATION

Customer: GENERAL	No. T-1-1318 (R-1-1318)	Date Issued: March 28, 1996
Title Subject: SR CONNECTOR	Revised: F	Date Revised: December 26, 2003
		Issued by: Osaka Engineering Center

This product specification contains the results of performance tests for the SR connector.

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## 1. PART NAME & PART NUMBER

Part name		Part number
Socket		*SR-3S
Shrouded header (Top entry type)	Connector part	BM*B-SRSS
	Taping product	BM*B-SRSS-TB
Shrouded header (Side entry type)	Connector part	SM*B-SRSS
	Taping product	SM*B-SRSS-TB

Note<sub>1</sub>: Number of circuits in one or two-digit figure is indicated in \*.

## 2. CONSTRUCTION, DIMENSIONS, MATERIAL & SURFACE FINISH

Construction and dimensions shall be in accordance with the referenced drawings.  
Material and surface finish shall be as specified below.

Construction		Material	Surface finish, etc.	
Socket	Contact	Phosphor bronze	Tin-plated	
	Housing	Polyamide	Color: Natural Flammability: UL94V-0	
Shrouded header	Base contact	Copper alloy	Copper-underplated Tin/Lead alloy-plated	
	Solder tab	Brass	Copper-underplated Tin/Lead alloy-plated	
	Wafer	Polyamide	Color: Natural Flammability: UL94V-0	
Taping part	Carrier tape	Polyester	/	
	Cover tape			
	Reel	Flange		Polystyrene
		Core		Polystyrene, Polypropylene

## 3. CHARACTERISTICS

Items	Rated value	
Current rating	0.7 A (AC, DC)	
Voltage rating	50 V (AC, DC)	
Temperature range	-25 to +85 °C (Note <sub>2</sub> )	
Applicable wire (Note <sub>3</sub> )	Conductor size	Corresponding to UL 1571 style AWG #30 (7/0.10)
	Insulation O.D.	0.5 to 0.6 mm
	Conductor spec.	Tin-plated annealed copper wire (7 stranded wire)
Recommended solder thickness	150 to 200 μm	

Note<sub>2</sub>: Including temperature rise in applying an electrical current.

Note<sub>3</sub>: An applicable wire shall be previously confirmed by JST.

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#### 4. PACKAGING SPECIFICATION (Embossed-taping)

##### 4.1 Packaging Quantity

Quantity to be wound shall be 1,500 pieces per reel for top entry type shrouded header and 3,000 pieces per reel for side entry type shrouded header as the standard quantity.

##### 4.2 Packaging Method

- (1) Each shrouded header shall be put into the fixed position\*<sup>1</sup> of the embossed carrier tape individually. The tape shall be sealed with cover tape by heat treatment.
- (2) After sealed, the carrier tape shall be wound\*<sup>2</sup> to reel to be specified quantity and the end of cover tape\*<sup>3</sup> shall be fixed to the flange of the reel by adhesive tape.
- (3) The wound reel shall be packaged in a corrugated cardboard box for shipment.

Notes \*1: See the attached drawings.

\*2: The direction to be wound; see the attached drawings.

\*3: Corresponding to leader part in taking out the tape.

The treatment of the end of tape; see the attached drawings.

##### 4.3 Marking

The label marked the following items shall be attached to the flange part.

- (1) Part Number
- (2) Quantity
- (3) Manufacturing lot number
- (4) Company name or its abbreviation
- (5) Other necessary items

#### 5. SPECIMEN

Part Name		Part Number
Socket		*SR-3S
Shrouded header	Side entry type	SM*B-SRSS
	Top entry type	BM*B-SRSS

Note<sub>4</sub>: Number of circuits in one or two-digit figure is indicated in \*.

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## 6. TEST CONDITIONS

- (1) When tested in accordance with the test conditions and methods specified in each item, each requirement shall be met.
- (2) Unless otherwise specified, tests shall be conducted under the following ambient conditions specified in JIS C 0010 (IEC 68-1) [Basic Environmental Testing Procedures General and Guidance].

Temperature:	15 to 35 °C
Relative humidity:	25 to 75 %
- (3) For environmental tests, as a rule, the specimen assembled for actual use and wire of AGW #30 (7/0.10) shall be used.

## 7. REQUIREMENTS, TEST METHODS & TEST RESULTS

### 7.1 Taping Part

#### 7.1.1 Appearance

Requirement:

- (1) Sprocket hole shall not be covered with cover tape.
- (2) Cover tape shall not run out of carrier tape.
- (3) Cover tape shall not be peeled.
- (4) There shall be no other defects.

Test method: Visual inspection or with projector as necessary.

Test result: Good.

#### 7.1.2 Mechanical Test

##### 7.1.2.1 Tensile Strength of Tape

Requirement: There shall be no defects such as breakage.

Test method: Pulling load of 10 N shall be applied to each of carrier and cover tapes. Pulling direction shall be its pulling-out direction.

Test result: Good.

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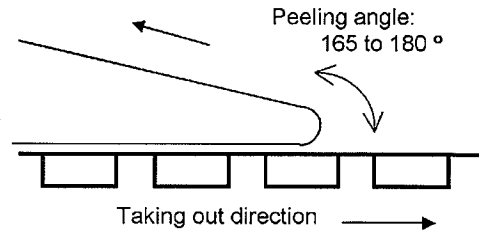
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### 7.1.2.2 Peel Strength of Cover Tape

Requirement: 0.1 to 1.0 N max.

Test method: As the figure on the right side.  
(Peeling speed: 300 mm/min.)

Test result: 0.17 to 0.38 N



## 7.2 Connector Part

### 7.2.1 Appearance

Requirement: There shall be no crack, no deformation nor discoloration which may affect the performance specified in this specification.

Test method: Visual inspection.

Test result: Good.

### 7.2.2 Mechanical Test

#### 7.2.2.1 Insertion Force ( I.F.) & Withdrawal Force ( W.F.)

Requirement:

No. of circuits	UNIT: N		
	At initial I.F. (max.)	W.F. (min.)	At 30th W.F. (min.)
2	30	2	2
3	30	2	2
4	30	2	2
5	40	3	3
6	40	3	3
7	40	3	3
8	50	4	4
9	50	4	4
10	50	4	4
11	60	5	5
12	60	5	5
13	60	5	5
14	70	6	6

Test method: An applicable socket and a shrouded header shall be mated and unmated on the same axis. Initial insertion and withdrawal forces and also withdrawal force at 30th shall be measured. (Testing speed: 1 to 5 mm/sec.)

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Test result:

UNIT: N

No. of circuits		Ave.	Max.	Min.
2	Initial I.F.	6.7	7.2	6.5
	Initial W.F.	6.1	6.9	5.7
	W.F. at 30th	4.0	4.3	3.4
3	Initial I.F.	14.4	16.0	12.7
	Initial W.F.	15.1	16.8	12.9
	W.F. at 30th	8.9	9.5	8.3
4	Initial I.F.	15.8	17.7	14.0
	Initial W.F.	17.0	18.8	14.3
	W.F. at 30th	9.9	10.8	8.8
5	Initial I.F.	16.9	18.4	14.7
	Initial W.F.	17.8	20.3	15.1
	W.F. at 30th	10.3	11.8	9.1
6	Initial I.F.	17.6	19.4	15.8
	Initial W.F.	17.0	19.3	15.9
	W.F. at 30th	11.2	13.2	9.6
7	Initial I.F.	18.7	20.5	17.1
	Initial W.F.	18.6	21.3	15.9
	W.F. at 30th	12.8	14.9	10.3
8	Initial I.F.	19.5	21.9	18.5
	Initial W.F.	20.3	22.7	17.4
	W.F. at 30th	13.0	15.3	10.7
9	Initial I.F.	20.7	23.0	19.5
	Initial W.F.	21.2	23.4	17.8
	W.F. at 30th	13.3	16.3	11.8
10	Initial I.F.	22.4	23.9	21.2
	Initial W.F.	22.7	24.1	20.7
	W.F. at 30th	15.2	16.9	12.6
11	Initial I.F.	24.5	27.1	22.8
	Initial W.F.	23.9	26.5	22.1
	W.F. at 30th	17.7	19.1	13.0
12	Initial I.F.	26.3	28.3	24.2
	Initial W.F.	25.0	28.9	23.3
	W.F. at 30th	18.0	21.5	14.0
13	Initial I.F.	28.7	30.1	27.0
	Initial W.F.	27.1	31.3	21.6
	W.F. at 30th	18.7	22.6	14.3
14	Initial I.F.	34.2	36.7	33.1
	Initial W.F.	32.5	36.5	28.5
	W.F. at 30th	20.6	27.4	14.6

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### 7.2.2.2 Wire Retention Force

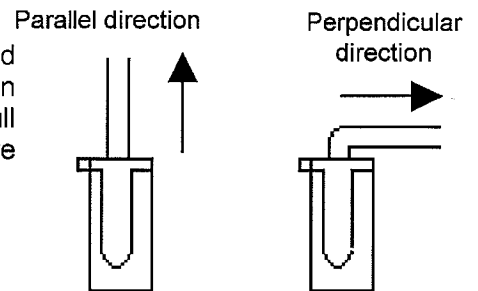
Requirement:

Wire size	Parallel direction	Perpendicular direction
AWG #30	8 N min.	4 N min.

Note<sub>5</sub>: Wire insulation O.D shall be  $\phi$  0.5 to  $\phi$  0.6 mm.

Test method: Pull the correctly terminated wire in the directions of the arrow as shown in the figure on the right side. The load to pull the wire out of the socket or break the wire shall be measured.

(Testing speed: 1 to 5 mm/sec.)



Test result:

	Measured values		
	Ave.	Max.	Min.
Parallel direction	14.5	15.4	13.3
Perpendicular direction	6.9	7.4	5.9

UNIT: N

n=20

### 7.2.2.3 Base Contact Retention Force

Requirement: 5 N min.

Test method: The end of a base contact shall be pushed in perpendicular to a wafer. The load to make the base contact start moving from the wafer shall be measured. (Testing speed: 25 mm/min.)

Test result:

	Measured values		
	Ave.	Max.	Min.
Side entry type	9.4	10.9	8.8
Top entry type	9.1	10.5	8.4

UNIT: N

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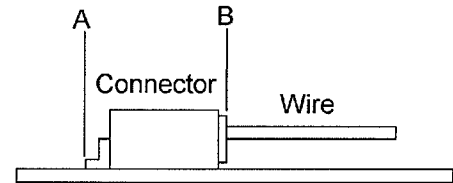
## 7.2.3 Electrical Test

### 7.2.3.1 Contact Resistance

Requirement: Initial; 20 mΩ max.  
After tests; 40 mΩ max.

Test method: Contact resistance between points A and B of the specimen assembled for actual use shown in the figure below shall be measured under the following conditions and methods.

Test current: 1 mA (DC)  
Open voltage: 20 mV max.  
Wire to be used: AWG #30



Test result: See items 7.2.4.1 to 7.2.4.7.

### 7.2.3.2 Current Continuity

Requirement: There shall be no current discontinuity longer than 1 microsecond during a vibration test.

Test method: Each circuit of a specimen assembled for actual use shall be connected in series and 10 mA DC shall be applied. Current discontinuity longer than 1 microsecond during a vibration test shall be detected by a continuity meter.

Test result: See item 7.2.4.7.

### 7.2.3.3 Insulation Resistance

Requirement: Initial; 100 MΩ min.  
After tests; 100 MΩ min. (Humidity & thermal shock tests)

Test method: 250 V DC shall be applied between adjacent contacts of a mated specimen to measure insulation resistance. (Shrouded header shall not be soldered.)

Test result:

Item	Measured values
Initial	100 MΩ min.
After humidity test	100 MΩ min.
After thermal shock test	100 MΩ min.

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### 7.2.3.4 Dielectric Withstanding Voltage

Requirement: There shall be no breakdown nor flashover.

Test method: Testing voltage specified below shall be applied between adjacent contacts of a mated specimen for one minute. (Shrouded header shall not be soldered)

Initial: AC 500 V  
After tests: AC 250 V (Humidity & thermal shock tests)

Test result:

Item	Test results
Initial	Good
After humidity test	Good
After thermal shock test	Good

n=20

### 7.2.4 Environmental Test

#### 7.2.4.1 Durability

Requirement: Contact resistance shall be 40 mΩ max. after the test.

Test method: A correctly terminated socket with wire and a shrouded header shall be mated and unmated. After repeated 30 times, contact resistance shall be measured.

Test result:

UNIT: mΩ

Contact resistance	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
	6.73	7.2	6.2	7.05	7.5	6.4

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### 7.2.4.2 Humidity

Requirement: Contact resistance shall be 40 mΩ max. after the test. Insulation resistance shall be 100 MΩ min. after the test. There shall be no breakdown nor flashover on the dielectric withstanding voltage test.

Test method: The specimen shall be placed in a humidity chamber of the following conditions. After the test, contact resistance, insulation resistance and dielectric withstanding voltage shall be measured.

Temperature: 40 ± 2 °C  
Relative humidity: 90 to 95 %  
Period: 240 hours

Test result:

	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
Contact resistance	6.85	7.2	6.3	6.93	7.2	6.2

n=26

### 7.2.4.3 Heat Aging

Requirement: Contact resistance shall be 40 mΩ max. after the test.

Test method: The specimen shall be placed in a heat oven of the following conditions. After the test, contact resistance shall be measured.

Temperature: 85 ± 2 °C  
Period: 250 hours

Test result:

	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
Contact resistance	6.59	6.9	6.1	6.88	7.2	6.4

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#### 7.2.4.4 Thermal Shock

Requirement: Contact resistance shall be 40 mΩ max. after the test. Insulation resistance shall be 100 MΩ min. after the test. There shall be no breakdown nor flashover on the dielectric withstanding voltage test.

Test method: The specimen shall be subjected to a thermal shock test of the following conditions. After the test, contact resistance, insulation resistance and dielectric withstanding voltage shall be measured.

1 cycle consists of:

- 55 ± 3 °C for 30 minutes

+ 85 ± 2 °C for 30 minutes

Total cycles: 25 cycles

Test result:

UNIT: mΩ

	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
Contact resistance	6.63	6.9	6.2	6.51	6.9	6.2

n=26

#### 7.2.4.5 Hydrogen Sulfide Gas

Requirement: Contact resistance shall be 40 mΩ max. after the test.

Test method: The specimen shall be subjected to hydrogen sulfide gas of the following conditions. After the test, contact resistance shall be measured.

Concentration: 3 ± 1 ppm

Temperature: 40 ± 2 °C

Relative humidity: 80 ± 5 %

Period: 96 hours

Test result:

UNIT: mΩ

	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
Contact resistance	6.91	7.3	6.4	7.01	7.5	6.6

n=26

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#### 7.2.4.6 Salt Spray

Requirement: Contact resistance shall be 40 mΩ max. after the test.

Test method: The specimen shall be subjected to a salt spray test of the following conditions. After the test, it shall be washed with running water and dried naturally before the measurement of contact resistance.

Temperature: 35 ± 2 °C  
Concentration: 5 %  
Period: 48 hours

Test result:

Contact resistance	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
	6.62	7.0	6.2	6.83	7.4	6.3

UNIT: mΩ  
n=26

#### 7.2.4.7 Vibration

Requirement: Contact resistance shall be 40 mΩ max. after the test. There shall be no current discontinuity longer than 1 microsecond during the test.

Test method: The specimen shall be mounted on a printed circuit board (PCB) and subjected to a vibration test of the following conditions. During the test, current continuity shall be checked. After the test, contact resistance shall be measured.

Frequency: 10-55-10 Hz/minute  
Amplitude: 1.52 mm  
Direction: Each of X,Y and Z-axis directions  
\*Each axis shall be at right angles to others.  
Period: 2 hours for each direction

Test result:

Contact resistance	Initial			After test		
	Ave.	Max.	Min.	Ave.	Max.	Min.
	6.73	6.9	6.1	6.95	7.5	6.2

Current continuity	There was no current discontinuity longer than 1 microsecond.
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UNIT: mΩ  
n=26

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#### 7.2.4.8 Ammonia

Requirement: There shall be no stress corrosion cracking.

Test method: The mated specimen shall be subjected to an ammonia gas test of the following conditions. After the test, stress corrosion cracking shall be checked. (Connector shall not be soldered)

Ammonia solution: 3 % in weight  
Solution volume: 25 ml per one liter of volume  
Period: 7 hours

Test result:

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Good.

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n=20

#### 7.2.5 Solder Test (Shrouded Header)

##### 7.2.5.1 Solderability

Requirement: Plating surface of solder-dipping section shall be covered with smooth solder.

Test method: The specimen shall be dipped in solder of the following conditions.

Solder: Specified in JIS C 0050 (IEC 68-2-20)  
Flux: Specified in JIS C 0050 (IEC 68-2-20)  
Solder temperature:  $230 \pm 5$  °C  
Immersion period:  $3 \pm 0.5$  seconds

Test result:

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Good.

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n=20

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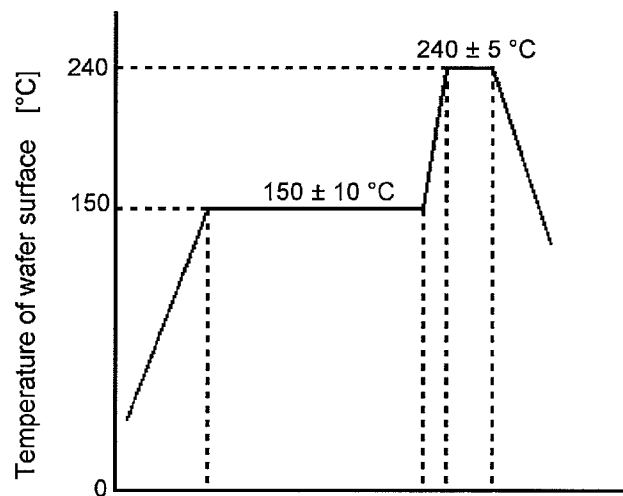
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## 7.2.5.2 Resistance to Soldering Heat

Requirement: There shall be no deformation nor damage which may affect the performance.

Test method: The specimen shall be subjected to a reflow soldering under the condition shown in the graph below. After the test, the appearance shall be observed.

[ Temperature profile for reflow soldering ]



Test result:

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There was no deformation nor damage which may affect the performance.

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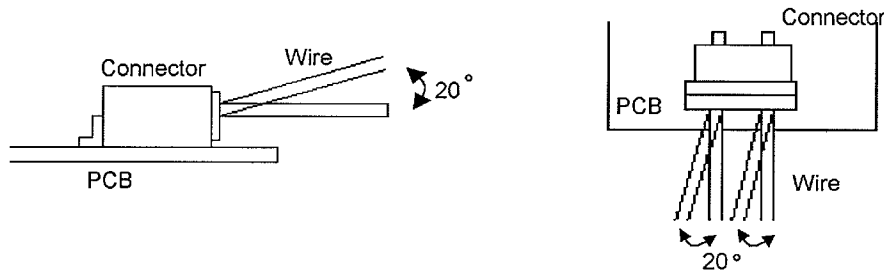
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### 8.1 For blister

Considering handling of connectors in mating operation, tenacious heat resistance nylon material is used for this connector. But 'blister' may generate on the outer surface of the wafer during the process of reflow soldering, depending on the condition of water absorption of the wafer and the condition of reflow temperature. However, because 'blister' is not caused by decomposition of resin, it does not affect the performances of the connector.

### 8.2 For routing wire

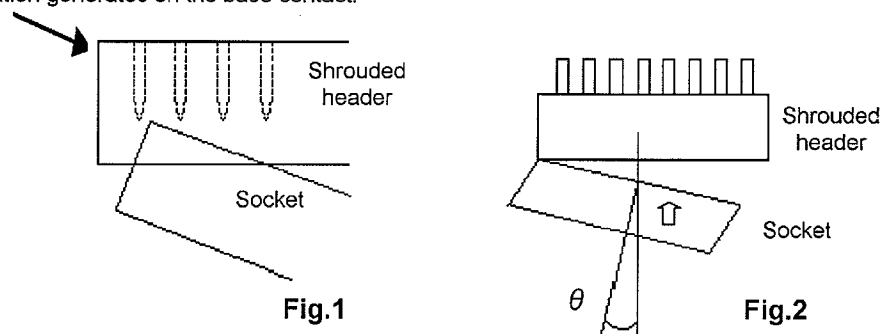
Make an allowance for routing wire so as not to apply tension more than that of bending wire to connector. In mating operation, mate connectors with holding wires in a bundle on the same axis to mating axis, and unmate connectors within 20 degrees to the mating axis. See the figures below.



It causes deformation due to the socket housing come into contact with the base contact when the socket housing is inserted into the shrouded header with leaning as shown in the Fig.1.

Do mating operation the socket housing into line with the shrouded header on the same axis as shown in the Fig.2.

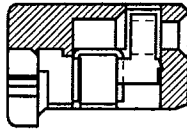
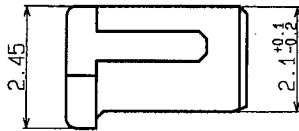
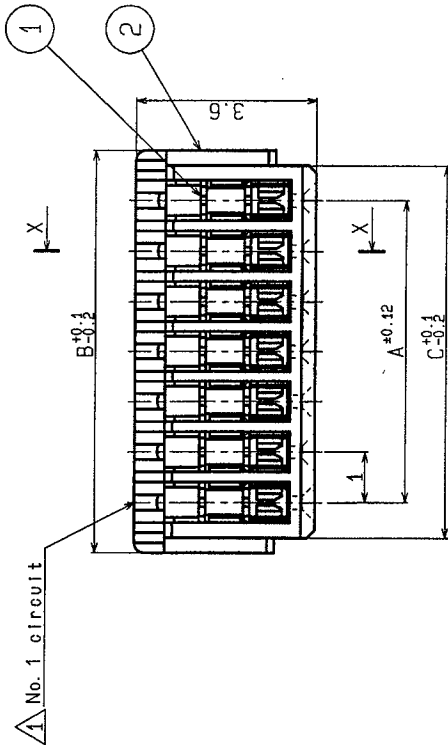
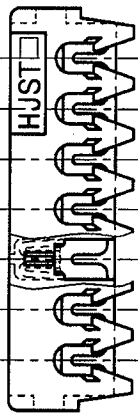
When a socket housing touches to the base contact, deformation generates on the base contact.



In case of unmating perpendicular to mating axis, the same action as that of unmating in any angles may generate in condition that several tip of wires are holding (wires aren't hold in a bundle).

In unmating the socket, be sure to hold the wires in a bundle within 20 degrees to the mating axis.

Circuits	Dimensions		
	A	B	C
2	1.0	3.0	2.4
3	2.0	4.0	3.4
4	3.0	5.0	4.4
5	4.0	6.0	5.4
6	5.0	7.0	6.4
7	6.0	8.0	7.4
8	7.0	9.0	8.4
9	8.0	10.0	9.4
10	9.0	11.0	10.4
11	10.0	12.0	11.4
12	11.0	13.0	12.4
13	12.0	14.0	13.4
14	13.0	15.0	14.4



X-X sec.

**NOTE**

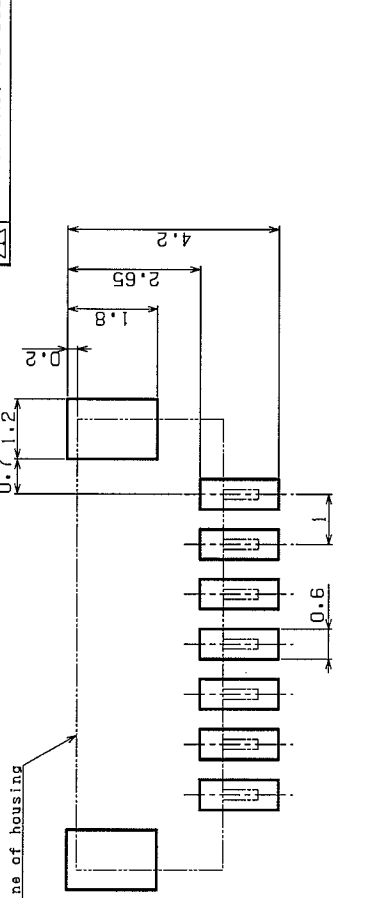
1. Unless otherwise specified, tolerances are 0<L≤1.0:±0.15  
1.0<L≤3.0:±0.2  
3.0<L:±0.3
2. Wire to be used: UL1571  
#30AWG: 7-stranded wire  
Wire insulation O.D.: ±0.5-±0.6
- R1. 1) '96. 4. 1 2) Added. 3) S.F

REVISIONS		PART NAME	
2	SOCKET HOUSING (NATURAL)	SR CONNECTOR	
1	CONTACT PHOSPHOR BRONZE (10.12)	( ) SR-3S	
No.	NAME MATERIAL	DRAWING No.	
APPROVED BY		DATE	
K.N.		Nov. 20 '95	
CHECKED BY		PROJECTION	
K. Miyachi		free	
DRAWN BY		SCALE	
S. Fukuda		free	
J. S. T.			

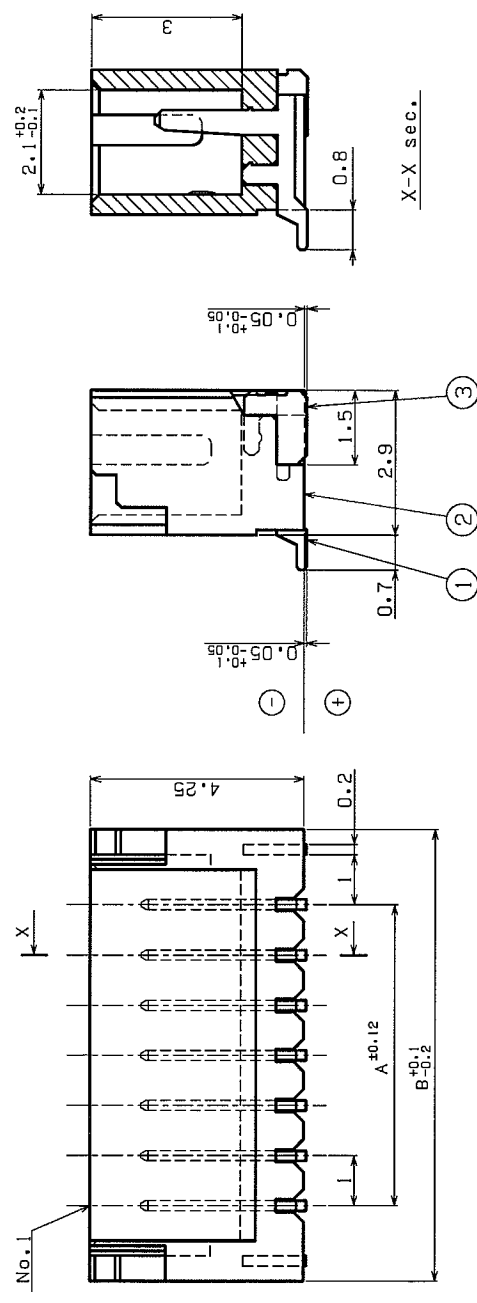


REV	DESCRIPTION	DATE	DESIGNED
△	Circuit No. is added.	MAY.30.2001	T. TERASHIMA

Circuit	Dimensions		
	A	B	C
2	1.0	4.0	2.4
3	2.0	5.0	3.4
4	3.0	6.0	4.4
5	4.0	7.0	5.4
6	5.0	8.0	6.4
7	6.0	9.0	7.4
8	7.0	10.0	8.4
9	8.0	11.0	9.4
10	9.0	12.0	10.4
11	10.0	13.0	11.4
12	11.0	14.0	12.4
13	12.0	15.0	13.4
14	13.0	16.0	14.4
15	14.0	17.0	15.4



P.C. Board layout



3	SOLDER TAB	BRASS	COPPER-UNDERPLATED TIN/LEAD ALLOY-PLATED	t0.2	REMARKS
2	WAFER	POLYAMIDE	UL94V-0		
1	BASE CONTACT	COPPER-ALLOY	COPPER-UNDERPLATED TIN/LEAD ALLOY-PLATED	t0.2	
No.	PART NAME	MATERIAL	SURFACE FINISH		
SIZE	UNIT	SCALE	PROJECTION	DATE	CUSTOMER
A3	METRIC	10:1	1	NOV.16.1999	
APPROVED	CHECKED	DESIGNED	DRAWN		
T.N	S.S	T.T	M.T		
					SERIES NAME
					SR/SH CONNECTOR
					PART No.
					BM ( ) B-SRSS
					DRAWING No.
					KRD-17695-3
					R1

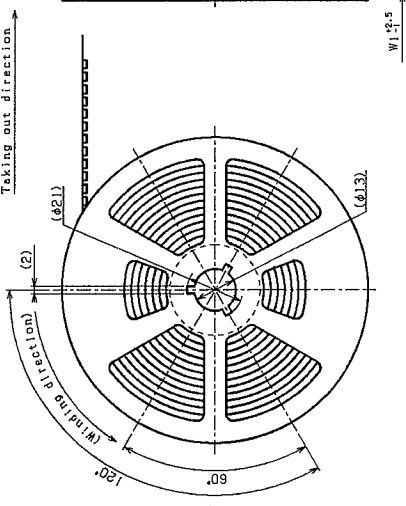


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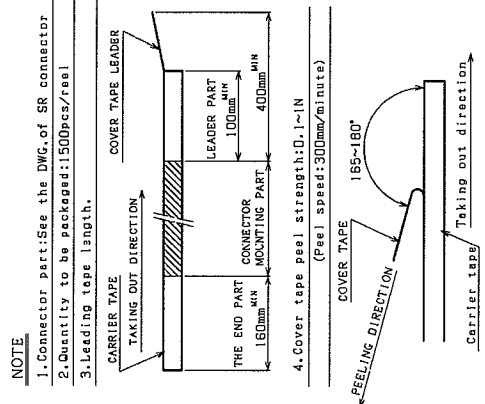
NOTE

- Unless otherwise specified, tolerances are  
 $0 < L \leq 1.0: \pm 0.15$ ,  $1.0 < L \leq 3.0: \pm 0.2$ ,  $3.0 < L: \pm 0.3$
- Dispersion of solder tail length should be 0.1mm MAX.

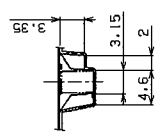
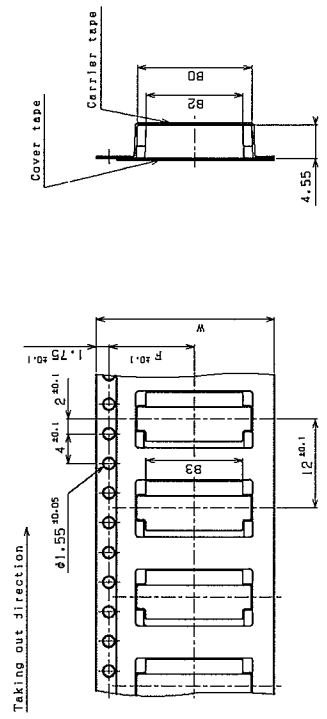
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Circuit	Dimensions				
	B0	B2	B3	F	W
02	4.25	2.0	2.0	5.5	12
03	5.25	3.0	3.0	5.5	12
04	6.25	4.0	4.0	7.5	16
05	7.25	5.0	5.0	7.5	16
06	8.25	6.0	6.0	7.5	16
07	9.25	7.0	7.0	7.5	16
08	10.25	8.0	8.0	11.5	24
09	11.25	9.0	9.0	11.5	24
10	12.25	10.0	10.0	11.5	24
11	13.25	11.0	11.0	11.5	24
12	14.25	12.0	12.0	11.5	24
13	15.25	13.0	13.0	11.5	24
14	16.25	14.0	14.0	11.5	24
15	17.25	15.0	15.0	11.5	24



- Material: Carrier tape: Polyester (PET)  
Cover tape: Polyester (PET)
- Reel: Flange: Polystyrene (PS)  
Core: Polystyrene (PP)  
Polystyrene (PS)
- Unless otherwise specified, tolerances are ±0.3



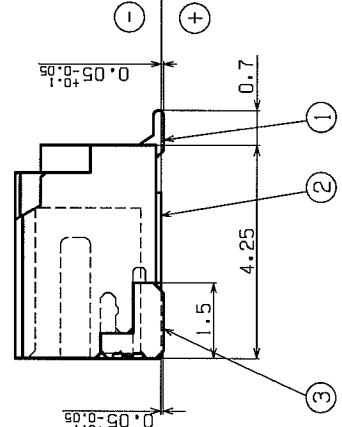
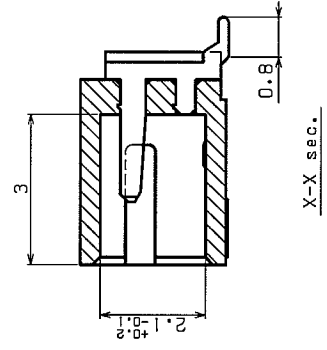
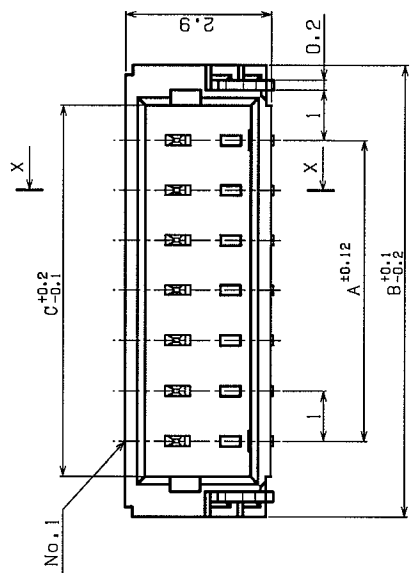
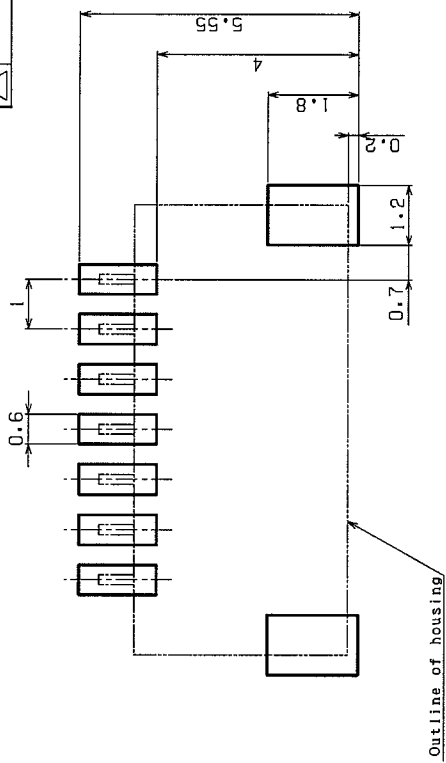
No.	PART NAME	MATERIAL	SURFACE FINISH	REMARKS
SIZE	UNIT	PROJECTION DATE	CUSTOMER	
A2	METRIC	2:1	SEP. 19. 2003	
APPROVED	CHECKED	DESIGNED	DRAWN	
T. NAKASHIMA	S. SASAKI	K. SHIMIZU	N. HIRAIZUMI	
SR CONNECTOR EMBOSSED-TAPING				
PART No.				BM ( ) B-SRSS5-TB
DRAWING No.				KRD-23516-1
				RI

**JST**  
J. S. T. MFG. CO., LTD.  
64113-2

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	DESIGNED
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Circuits	Dimensions		
	A	B	C
2	1.0	4.0	2.4
3	2.0	5.0	3.4
4	3.0	6.0	4.4
5	4.0	7.0	5.4
6	5.0	8.0	6.4
7	6.0	9.0	7.4
8	7.0	10.0	8.4
9	8.0	11.0	9.4
10	9.0	12.0	10.4
11	10.0	13.0	11.4
12	11.0	14.0	12.4
13	12.0	15.0	13.4
14	13.0	16.0	14.4
15	14.0	17.0	15.4



3	SOLDER TAB	BRASS	COPPER-UNDERPLATED TIN/LEAD ALLOY-PLATED	t0.2	REMARKS
2	WAFER	POLYAMIDE	COPPER-UNDERPLATED TIN/LEAD ALLOY-PLATED	t0.2	
1	BASE CONTACT	COPPER-ALLOY	COPPER-UNDERPLATED TIN/LEAD ALLOY-PLATED	t0.2	
No.		PART NAME	MATERIAL	CUSTOMER	
UNIT		SCALE	PROJECTION	DATE	
SIZE		A3	METRIC	10:1	NOV.16.1999
APPROVED	CHECKED	DESIGNED	DRAWN		
T. N	S. S	M. Y	Y. N		
SERIES NAME			SR/SH CONNECTOR		
PART No.			SM ( ) B-SRSS		
DRAWING No.			KRD-17694-4		
			RO		

NOTE

1. Unless otherwise specified, tolerances are  
 $0 < L < 1.0: \pm 0.15$ ,  $1.0 < L < 3.0: \pm 0.2$ ,  $3.0 < L: \pm 0.3$
2. Dispersion of solder tail length should be 0.1mm MAX.

**JSI** J. S. T. MFG. CO., LTD

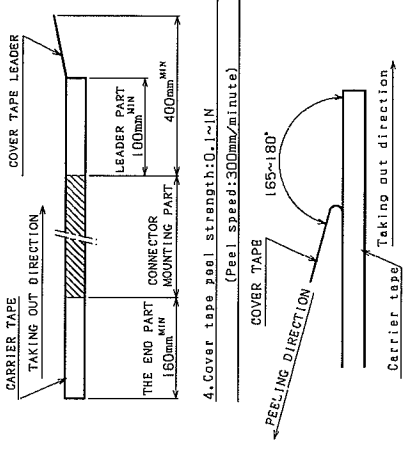
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO J.S.T. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

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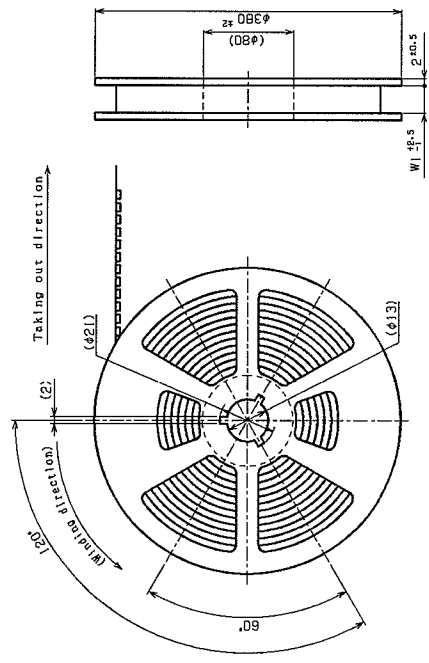
REV	DESCRIPTION	DATE	DESIGNED

**NOTE**

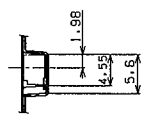
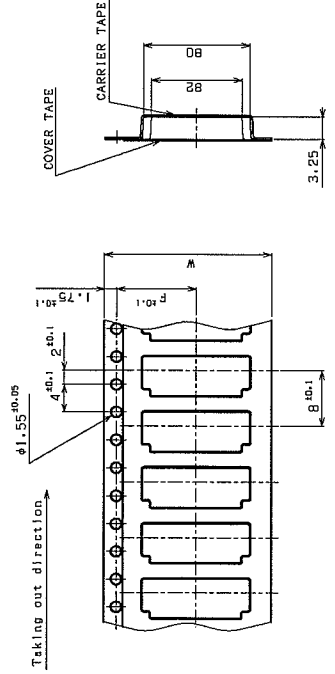
1. Connector part: See the DWG. of SR Connector.
2. Quantity to be packaged: 3000 pcs/roll
3. Leading tape length.



Cuts	Dimensions				
	B0	B2	F	W	W1
2	4.3	2.0	5.5	12	13.5
3	5.3	3.0	5.5	12	13.5
4	6.3	4.0	5.5	12	13.5
5	7.3	5.0	7.5	16	17.5
6	8.3	6.0	7.5	16	17.5
7	9.3	7.0	7.5	16	17.5
8	10.3	8.0	7.5	16	17.5
9	11.3	9.0	11.5	24	25.5
10	12.3	10.0	11.5	24	25.5
11	13.3	11.0	11.5	24	25.5
12	14.3	12.0	11.5	24	25.5
13	15.3	13.0	11.5	24	25.5
14	16.3	14.0	11.5	24	25.5
15	17.3	15.0	11.5	24	25.5



5. Material: Carrier tape: Polyester (PET)  
 Cover tape: Polyester (PET)  
 Reel Flange: Polystyrene (PS)  
 Core: Polypropylene (PP)  
 Polystyrene (PS)  
 Unless otherwise specified,  
 tolerances are ±0.3



No.	PART NAME	MATERIAL	SURFACE FINISH	REMARKS
SIZE	UNIT	SCALE	PROJECTION DATE	CUSTOMER
A2	METRIC	2:1	SEP. 19. 2003	
APPROVED	CHECKED	DESIGNED	DRAWN	SR CONNECTOR EMBOSSED-TAPING
T. NAKABE	S. SAKAKI	K. SHIMIZU	N. HIRAIZUMI	
				PART No.
				SK ( ) B-SRCS-TB
				DRAWING No.
				KR0-23509-1
				RD

