

# SPECIFICATIONS

## \* Model Identifications

| Model Code   | Customer Code   |
|--------------|-----------------|
| 4AI20-CMXX05 | 377.00346.005LT |

|                                                                                            |                                                                              |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Signed for/on behalf of us.<br>By: R&D manager Mr.<br><br>-----<br>Date:        .        . | Signed for/on behalf of you.<br>By:<br><br>-----<br>Date :        .        . |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|

This Specifications will be valid after the date of acceptance by both 'Dreamus' and the customer. Without formal request for updating by one of the involved parties, this Specifications will be valid until the end of usage of the relevant products by the customer.

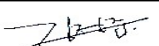
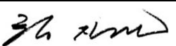


## 1. REVISION RECORD

| Rev. No | DATE          | DESCRIPTION           | By                                                                                  | Chk.                                                                                | App.                                                                                |
|---------|---------------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 0       | 8. Jul. 2021  | R&D and ECO Release   |  |  |  |
| 1       | 5. Aug. 2021  | Model Code No Change  |  |  |  |
| 2       | 25. Aug. 2021 | Wire Tolerance Change |  |  |  |
| 3       | 6. Sep. 2021  | Add EMI Clamp Core    |  |  |  |
| 4       |               |                       |                                                                                     |                                                                                     |                                                                                     |
| 5       |               |                       |                                                                                     |                                                                                     |                                                                                     |
| 6       |               |                       |                                                                                     |                                                                                     |                                                                                     |
| 7       |               |                       |                                                                                     |                                                                                     |                                                                                     |
| 8       |               |                       |                                                                                     |                                                                                     |                                                                                     |
| 9       |               |                       |                                                                                     |                                                                                     |                                                                                     |

## 2. ATTACHMENTS

- 2-1 HARNESS WIRE DRAWING
- 2-2 CABLE DRAWING
- 2-3 HOUSING/ CONTACT DRAWING

| DESIGNED     |                                                                                     | CHECKED      |                                                                                      | APPROVED     |                                                                                       |
|--------------|-------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
| 6. Sep. 2021 |  | 6. Sep. 2021 |  | 6. Sep. 2021 |  |

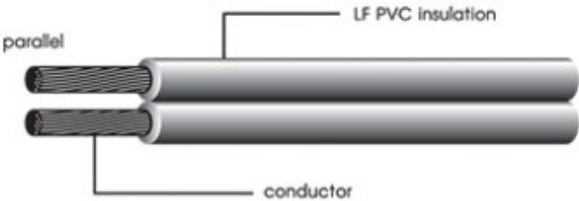
|          |   |                                                                                     |                            |            |                                                                                     |                                   |          |                 |
|----------|---|-------------------------------------------------------------------------------------|----------------------------|------------|-------------------------------------------------------------------------------------|-----------------------------------|----------|-----------------|
| MATERIAL | — | 4                                                                                   |                            | PROJECTION |  | TOLERANCES<br>UNLESS<br>SPECIFIED | TITLE    | Harness Wire    |
|          |   | 3                                                                                   |                            | SCALE      | 1.000                                                                               |                                   |          |                 |
|          |   |  | Add Ferrite Core '21.09.06 | UNIT       | mm                                                                                  |                                   |          |                 |
| REMARK   | — |  | Wire Tolerance '21.08.25   | DESIGN     | CHECKED                                                                             | APPROVED                          | PART NO. | HW-081B,R-325-R |
|          |   | 0                                                                                   | 1st ISSUED '21.06.25 KJJ   |            |                                                                                     |                                   |          |                 |
|          |   | REVISION RECORD                                                                     |                            |            |                                                                                     |                                   |          |                 |

|    |                     |              |
|----|---------------------|--------------|
| 00 | APPLY THE MODEL : - | -            |
| NO | REVISION RECORD     | MANUFACTURER |

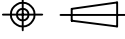
Product Description:

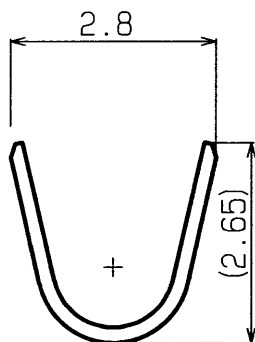
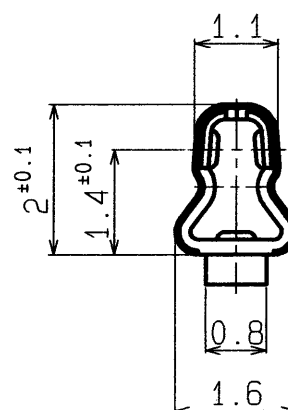
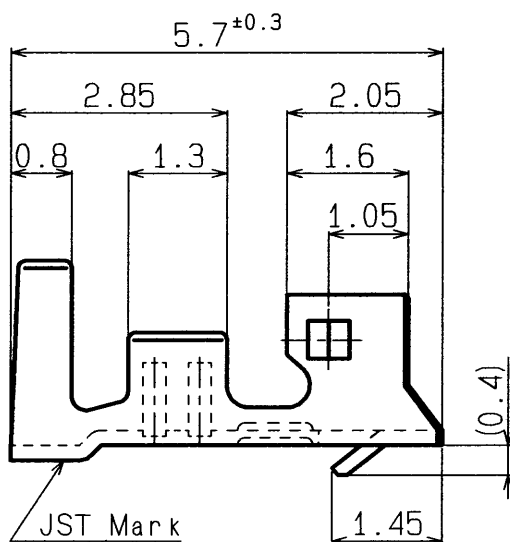
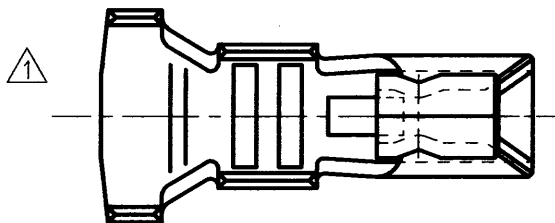
- OS-1 Tinned, Stranded copper conductor, 32-16 AWG
- Rated temperature: 80° C. Rated voltage: 300 V
- Pass VW-1 flame test.
- Resistant to acids, alkalines, moisture and fungus.
- Insulation : PVC / LF

Construction:

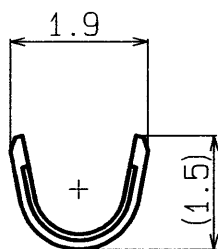


| UL Style<br>CUL Type        | Conductor |          | Core | Insulation Thickness | Overall Diameter (Approx.) | Standard Put-Up |
|-----------------------------|-----------|----------|------|----------------------|----------------------------|-----------------|
|                             | AWG       | No/mm    | No.  | mm                   | mm                         | M/roll          |
| UL 2468<br>CUL I A<br>(AWM) | 26        | 1/1.290  | 2    | 0.45                 | 1.40 x 2.90                | 610             |
|                             |           | 7/0.160  |      |                      | 1.40 x 3.40                |                 |
|                             |           | 7/0.160  |      |                      | 1.40 x 3.90                |                 |
|                             | 24        | 11/0.160 |      |                      | 1.50 x 3.10                |                 |
|                             |           | 7/0.203  |      |                      | 1.50 x 4.00                |                 |
|                             |           | 22       |      |                      | 1.60 x 3.20                |                 |
|                             | 18        | 7/0.404  |      |                      | 2.15 x 4.30                |                 |
|                             |           | 41/0.160 |      |                      | 2.10 x 4.20                |                 |

|          |   |                 |  |            |                                                                                     |                                   |          |             |
|----------|---|-----------------|--|------------|-------------------------------------------------------------------------------------|-----------------------------------|----------|-------------|
| MATERIAL | - | 4               |  | PROJECTION |  | TOLERANCES<br>UNLESS<br>SPECIFIED | TITLE    | Cable       |
|          |   | 3               |  | SCALE      | 1.000                                                                               |                                   |          |             |
|          |   | 2               |  | UNIT       | mm                                                                                  |                                   |          |             |
| REMARK   | - | 1               |  | DESIGN     | CHECKED                                                                             | APPROVED                          | PART NO. | UL 2468 #22 |
|          |   | 0               |  |            |                                                                                     |                                   |          |             |
|          |   | REVISION RECORD |  |            |                                                                                     |                                   |          |             |



INSULATION BARREL



WIRE BARREL

NOTE

1. Unless otherwise specified,  
tolerances are  $\pm 0.3$ .

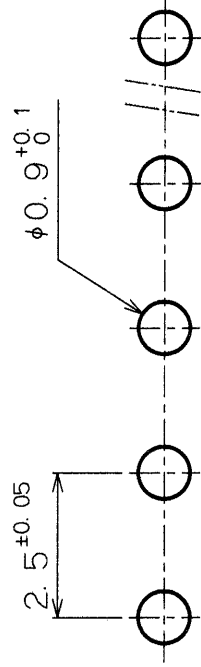
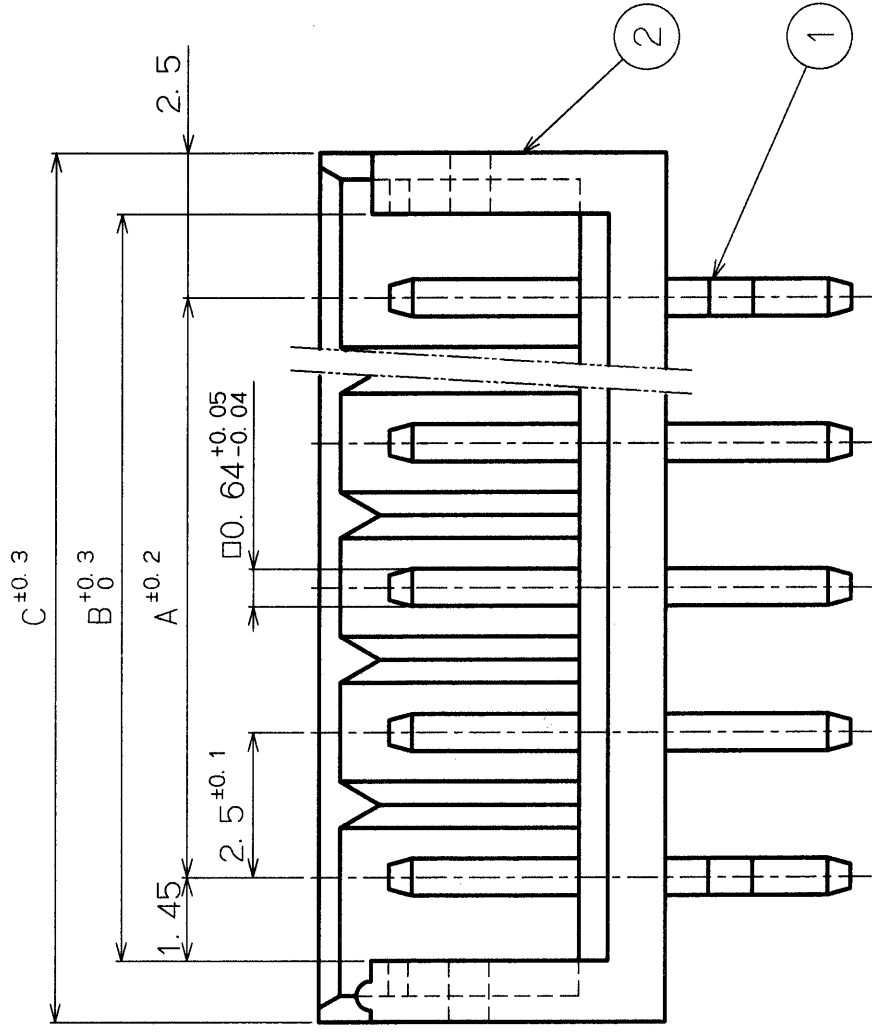
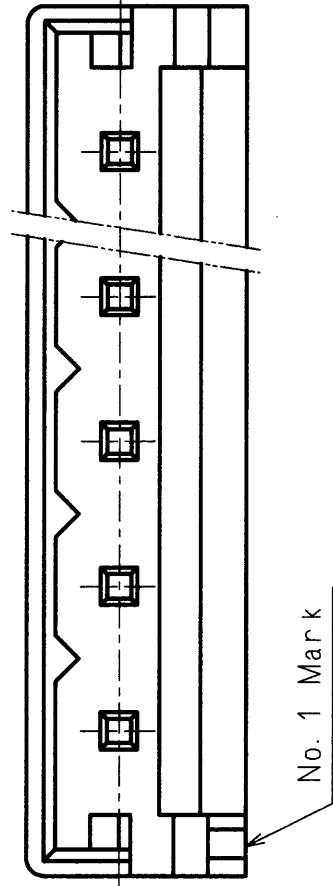
REVISIONS

R1. 1)' 96. 8. 26

2)Strip carrier is deleted. 3)C. A

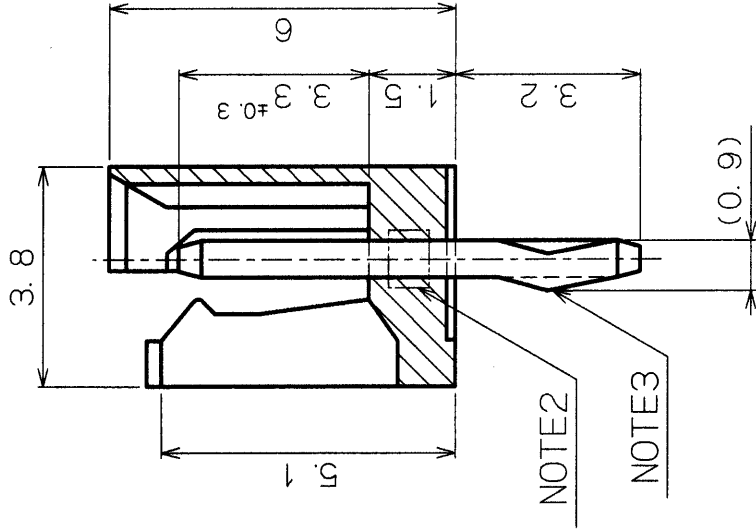
|                 |                    |                         |               |                |                     |             |                |                 |  |
|-----------------|--------------------|-------------------------|---------------|----------------|---------------------|-------------|----------------|-----------------|--|
|                 |                    |                         |               |                |                     | REVISIONS   |                |                 |  |
|                 |                    |                         |               |                |                     |             |                |                 |  |
| CONTACT         |                    | PHOSPHOR BRONZE $t=0.2$ |               | TIN-PLATED     |                     |             |                |                 |  |
| No.             | NAME               | MATERIAL                |               | REMARKS        |                     |             |                |                 |  |
| J. S. T.        |                    |                         |               |                |                     | PART NAME   | EH CONNECTOR   |                 |  |
|                 |                    |                         |               |                |                     | PART No.    | SEH-001T-P0. 6 |                 |  |
| APPROVED BY<br> | CHECKED BY<br>S.S. | DRAWN BY<br>G. ASANO    | SCALE<br>free | PROJECTION<br> | DATE<br>MAY. 30 '95 | DRAWING No. |                | KRD - 5080-5 R1 |  |





P. C. BOARD HOLE LAYOUT

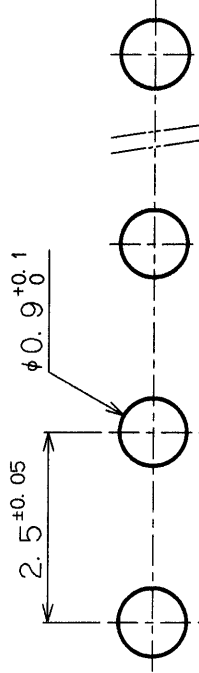
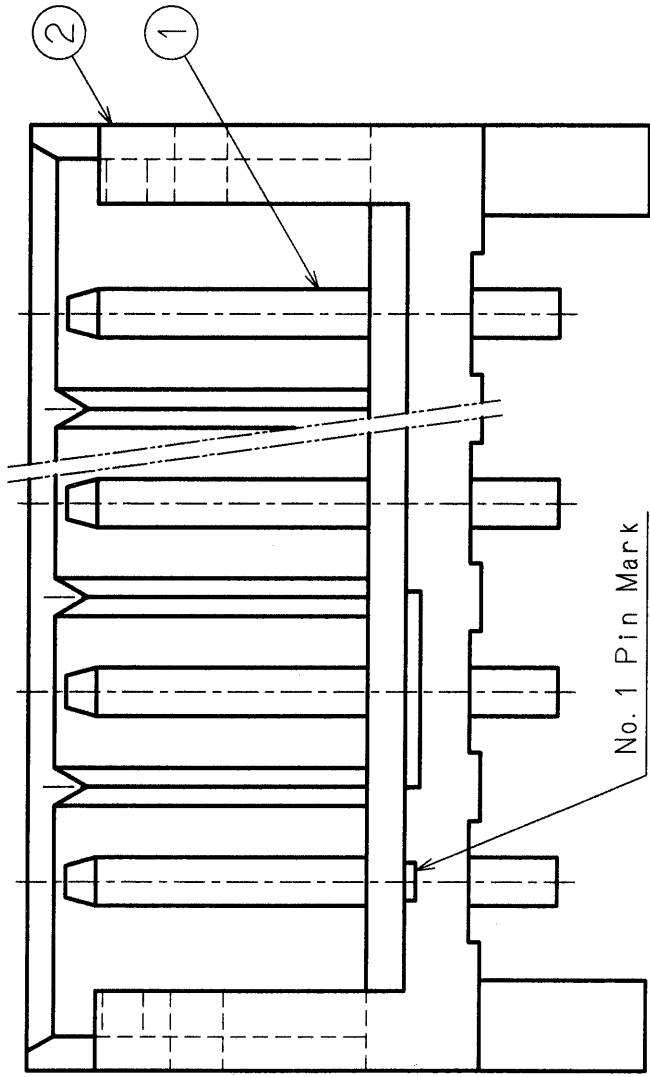
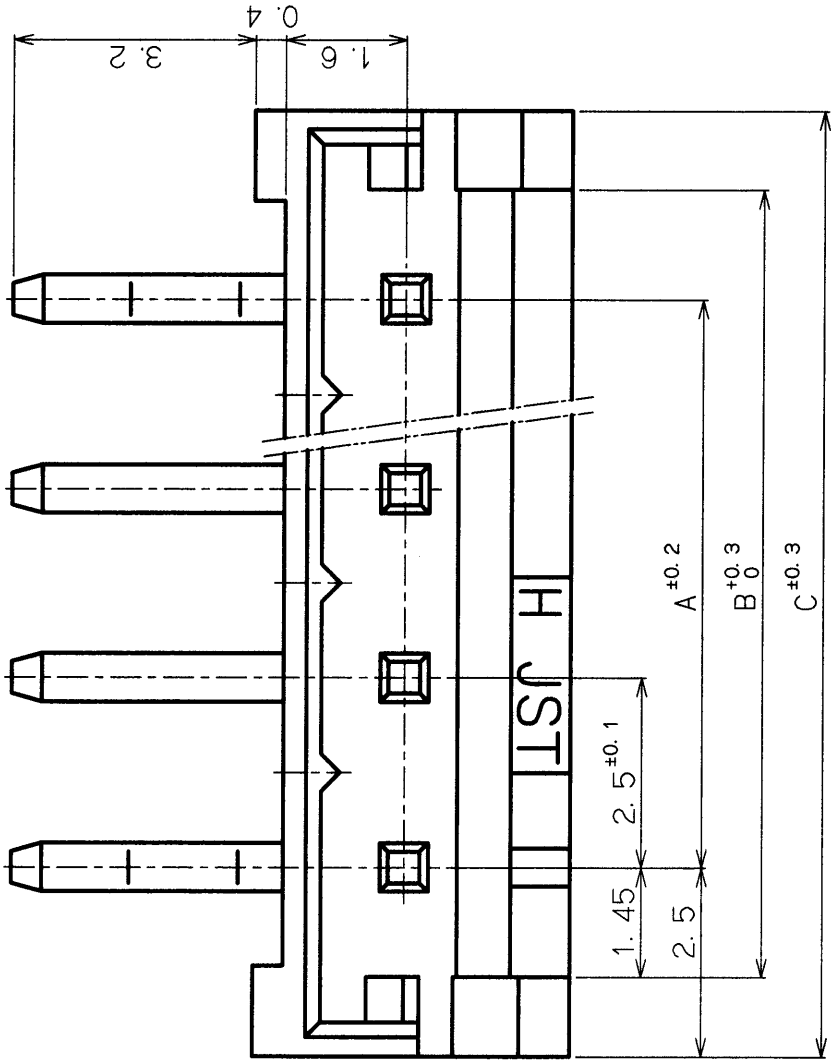
| Ctr-cults | A    | B    | C    |
|-----------|------|------|------|
| 3         | 5.0  | 7.9  | 10.0 |
| 4         | 7.5  | 10.4 | 12.5 |
| 5         | 10.0 | 12.9 | 15.0 |
| 6         | 12.5 | 15.4 | 17.5 |
| 7         | 15.0 | 17.9 | 20.0 |
| 8         | 17.5 | 20.4 | 22.5 |
| 9         | 20.0 | 22.9 | 25.0 |
| 10        | 22.5 | 25.4 | 27.5 |
| 11        | 25.0 | 27.9 | 30.0 |
| 12        | 27.5 | 30.4 | 32.5 |
| 13        | 30.0 | 32.9 | 35.0 |
| 14        | 32.5 | 35.4 | 37.5 |
| 15        | 35.0 | 37.9 | 40.0 |



NOTE

1. Unless otherwise specified, tolerances are  $0 < L \leq 3.0 : \pm 0.3$   
 $3.0 < L \leq 9.0 : \pm 0.4$
2. Post side with holding construction for housing.
3. Posts at the both side shall be clinched.

| REVISIONS   |            | PART NAME |                                             |            |            | EH CONNECTOR |             |
|-------------|------------|-----------|---------------------------------------------|------------|------------|--------------|-------------|
| 2           | WAFER      | 66NYLON   | UL94V-0                                     |            |            |              |             |
| 1           | POST       | BRASS     | COPPER-UNDERPLATED<br>TIN/LEAD ALLOY-PLATED |            |            |              |             |
| No.         | NAME       | MATERIAL  | REMARKS                                     |            |            |              |             |
| J. S. T.    |            |           |                                             | PART NAME  |            | EH CONNECTOR |             |
| APPROVED BY | CHECKED BY | DRAWN BY  | SCALE                                       | PROJECTION | DATE       | PART No.     |             |
|             |            |           | free                                        |            | Mar. 6 '97 |              |             |
|             |            |           |                                             |            |            | DRAWING No.  |             |
|             |            |           |                                             |            |            |              | KRD- 7296-3 |



P. C. B Hole layout

NOTE

- 1. Unless otherwise specified, tolerances are  $0 < L \leq 3.0$ :  $\pm 0.3$   
 $3.0 < L$ :  $\pm 0.4$
- 2. Post at the both side shall be clinched.

| Cir-cuits | Dimensions |      |      |
|-----------|------------|------|------|
|           | A          | B    | C    |
| 2         | 2.5        | 5.4  | 7.5  |
| 3         | 5.0        | 7.9  | 10.0 |
| 4         | 7.5        | 10.4 | 12.5 |
| 5         | 10.0       | 12.9 | 15.0 |
| 6         | 12.5       | 15.4 | 17.5 |
| 7         | 15.0       | 17.9 | 20.0 |
| 8         | 17.5       | 20.4 | 22.5 |
| 9         | 20.0       | 22.9 | 25.0 |
| 10        | 22.5       | 25.4 | 27.5 |
| 11        | 25.0       | 27.9 | 30.0 |
| 12        | 27.5       | 30.4 | 32.5 |
| 13        | 30.0       | 32.9 | 35.0 |
| 14        | 32.5       | 35.4 | 37.5 |
| 15        | 35.0       | 37.9 | 40.0 |

| REVISIONS |       |          |                                             |
|-----------|-------|----------|---------------------------------------------|
| 2         | WAFER | 66NYLON  | UL94V-0                                     |
| 1         | POST  | BRASS    | COPPER-UNDERPLATED<br>TIN/LEAD ALLOY-PLATED |
| No.       | NAME  | MATERIAL | REMARKS                                     |

J. S. T.

|                                   |                            |                         |               |                |                    |
|-----------------------------------|----------------------------|-------------------------|---------------|----------------|--------------------|
| APPROVED BY<br><i>K. S. S. S.</i> | CHECKED BY<br><i>H. S.</i> | DRAWN BY<br><i>Nago</i> | SCALE<br>free | PROJECTION<br> | DATE<br>Mar. 6 '97 |
|-----------------------------------|----------------------------|-------------------------|---------------|----------------|--------------------|

EH, HR CONNECTOR

S()B-EH

KRD- 13707-3