

# YHLZ TERMINAL BLOCK MODULES

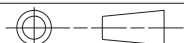
|     |                                                                             |     |      |          |
|-----|-----------------------------------------------------------------------------|-----|------|----------|
| 14  | REVISED AND REDRAWN ON CAD. DWG WAS SD75001. SEE REV. REF. PRINT. (ECN3556) | FDH | JKD  | 06-10-96 |
| REV | REVISION DESCRIPTION                                                        | BY  | CHKD | DATE     |

SUPERSEDES: SD75001-13

|                                                                                     |  |                                                                                                                                |  |  |                                      |                   |  |
|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------|-------------------|--|
| SUPERSEDES: SD75001-13                                                              |  | YHLZ TERMINAL BLOCK MODULE ASSEMBLY                                                                                            |  |  |                                      |                   |  |
|                                                                                     |  | CAT NO. YHLZ-22_ & -44_ (SEE TABLE)                                                                                            |  |  |                                      |                   |  |
| LINEAR MEASURE: INCH mm INCH [mm]                                                   |  | DWG RELEASED TO CENTRAL FILE 06-10-96                                                                                          |  |  | A<br>P<br>P<br>R<br>O<br>V<br>A<br>L | DRWN THC 01-04-73 |  |
| THIRD ANGLE PROJECTION                                                              |  | CAGE NO. 09922 ECN 3556 PC 862                                                                                                 |  |  |                                      | CHKD TJS 05-21-73 |  |
|  |  | © FRAMATOME CONNECTORS USA INC. 1996                                                                                           |  |  |                                      | DSGN JB 05-23-73  |  |
| - TOLERANCES -<br>UNLESS OTHERWISE SPECIFIED                                        |  | <br><b>SOURIAU</b><br>Connection Technology |  |  |                                      | MKT FG 05-31-96   |  |
| NO OF DECIMAL PLACES IN INCHES INCH [mm]                                            |  |                                                                                                                                |  |  |                                      | QC ZR 06-05-96    |  |
| ONE PLACE ±.1 [±3]                                                                  |  |                                                                                                                                |  |  | DRAWING SCALE NONE                   |                   |  |
| TWO PLACES ±.02 [±0.5]                                                              |  |                                                                                                                                |  |  | DRAWING NO                           |                   |  |
| THREE PLACES ±.005 [±0.13]                                                          |  |                                                                                                                                |  |  | SA75001                              |                   |  |
| ANGLES ±1°                                                                          |  |                                                                                                                                |  |  | 14                                   |                   |  |
|                                                                                     |  |                                                                                                                                |  |  | SHEET 1 OF 6                         |                   |  |

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

NO OF DECIMAL PLACES IN INCHES INCH [mm]

ONE PLACE ±.1 [±3]

TWO PLACES ±.02 [±0.5]

THREE PLACES ±.005 [±0.13]

ANGLES ±1°

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1. INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982.
- 2. TERMINAL BLOCKS ACCOMODATES FCI 'YHMM' TYPE PIN CONTACTS.  
SEE DRAWING SE66466. USE INSERTION/REMOVAL TOOL 'J1276-\_'.
- 3. TERMINAL BLOCK CAN BE INSTALLED IN ANY POSITION OF AMM\_\_\_\_T\_\_\_\_AND  
AMY\_\_\_\_T\_\_\_\_ TRACK BY ROTATING CLOCKWISE. SEE DRAWINGS SE66784, BRSE66604,  
SD83863, AND SD83864.

4. OPTIONAL: TERMINAL BLOCK MODULE MAY BE HEAT STAKED ON INDICATED SURFACES.

5. DIMENSION INCLUDES WARPAGE IN AREA SHOWN.

MATERIAL:

BODY - ZYTEL 151L OR EQUIVALENT, SELF EXTINGUISHING PER ASTM D635-56T  
YHLZ-22 COLOR GRAY  
YHLZ-44 COLOR BLACK

MODULE SOCKET ASS'Y - BERYLLIUM COPPER ALLOY

FINISH:

MODULE SOCKET ASS'Y - .000030 [0,00076] MIN. GOLD OVER .000100 [0,00254] MIN.  
COPPER.

WEIGHT: .14 OZ. [4.0 GRAMS] MAX.

| CATALOG NO. TABLE |          |                |
|-------------------|----------|----------------|
| FCI CAT. NO.      | FIG. NO. | CUST. PART NO. |
| YHLZ-44           | 1        |                |
| YHLZ-44 (B)       |          | BACM15C1B      |
| YHLZ-22           | 2        |                |
| YHLZ-22 (B)       |          | BACM15C1A      |

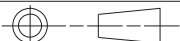
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| --- | ALL REV. RECORDED ON SHT 1 | --- | ---  | ---  |
| REV | REVISION DESCRIPTION       | BY  | CHKD | DATE |

YHLZ TERMINAL BLOCK MODULE ASSEMBLY

CAT NO. YHLZ-22\_ & -44\_ (SEE TABLE)

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

| NO OF DECIMAL<br>PLACES IN INCHES | INCH [mm]     |
|-----------------------------------|---------------|
| ONE PLACE                         | ±.1 [±3]      |
| TWO PLACES                        | ±.02 [±0,5]   |
| THREE PLACES                      | ±.005 [±0,13] |
| ANGLES ±1°                        |               |

DWG RELEASED TO CENTRAL FILE 06-10-96

CAGE NO. 09922 | ECN 3556 | PC 862

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**SOURIAU**  
Connection Technology

|              |                     |     |          |
|--------------|---------------------|-----|----------|
| APPROVAL     | DRWN                | THC | 01-04-73 |
|              | CHKD                | TJS | 05-21-73 |
|              | DSGN                | JB  | 05-22-73 |
|              | MKT                 | FG  | 05-31-96 |
|              | QC                  | ZR  | 06-05-96 |
|              | DRAWING SCALE: NONE |     |          |
| DRAWING NO.  |                     |     | REV      |
| SA75001      |                     |     | 14       |
| SHEET 2 OF 6 |                     |     |          |

PERFORMANCE CHARACTERISTICS

MECHANICAL:

CONTACT INSERTION FORCES: 9 LBS [40,03N] MAX.  
CONTACT SEPARATION FORCES: 1 LB [4,45N] MIN.  
CONTACT RETENTION: 25 LBS [111,20N] MIN.  
BUS RETENTION: 30 LBS [133,44N] MIN.

ELECTRICAL:

CONTACT RESISTANCE: SIZE 12-16: 40 MILLIVOLTS MAX AT 20.0 AMPS WITH  
16 AWG SILVER PLATED WIRE.  
LOW LEVEL CONTACT RESISTANCE: SIZE 12-16: .006 OHMS MAX WITH 16 AWG SILVER PLATED WIRE.  
DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS  
(SEA LEVEL)  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS  
(60,000 FT.)  
INSULATION RESISTANCE: 5000 MEGOHMS MIN.  
CASE INTEGRITY (WET DIELECTRIC): 1500 VRMS

ENVIRONMENTAL:

SALT SPRAY: 48 HOURS IN ACCORDANCE WITH MIL-STD-202, METHOD 101, TEST CONDITION B.  
VIBRATION: IN ACCORDANCE WITH MIL-STD-202, METHOD 204, TEST CONDITION D, LETTER E.  
THERMAL SHOCK: IN ACCORDANCE WITH MIL-STD-202, METHOD 107, TEST CONDITION B.  
EXCEPT TEMPERATURE EXTREMES ARE -55°C TO 65°C [-67°F TO 149°F]  
HUMIDITY: IN ACCORDANCE WITH MIL-STD-202, METHOD 106, (OMIT STEP 7B).  
TENSILE PULL: 10 LBS [44,48N] MIN. AT RIGHT ANGLES TO LONGITUDINAL AXIS OF CONTACT.

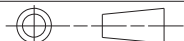
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|-----|----------------------------|-----|------|------|
| --- | ALL REV. RECORDED ON SHT 1 | --- | ---  | ---  |
| REV | REVISION DESCRIPTION       | BY  | CHKD | DATE |

YHLZ TERMINAL BLOCK MODULE ASSEMBLY

CAT NO. YHLZ-22\_ & -44\_ (SEE TABLE)

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

|                                   |               |
|-----------------------------------|---------------|
| NO OF DECIMAL<br>PLACES IN INCHES | INCH [mm]     |
| ONE PLACE                         | ±.1 [±3]      |
| TWO PLACES                        | ±.02 [±0,5]   |
| THREE PLACES                      | ±.005 [±0,13] |
| ANGLES ±1°                        |               |

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|                     |      |     |          |
|---------------------|------|-----|----------|
| APPROVAL            | DRWN | THC | 01-04-73 |
|                     | CHKD | TJS | 05-21-73 |
|                     | DSGN | JB  | 05-22-73 |
|                     | MKT  | FG  | 05-31-96 |
|                     | QC   | ZR  | 06-05-96 |
| DRAWING SCALE: NONE |      |     |          |
| DRAWING NO.         |      |     | REV      |
| SA75001             |      |     | 14       |
| SHEET 3 OF 6        |      |     |          |

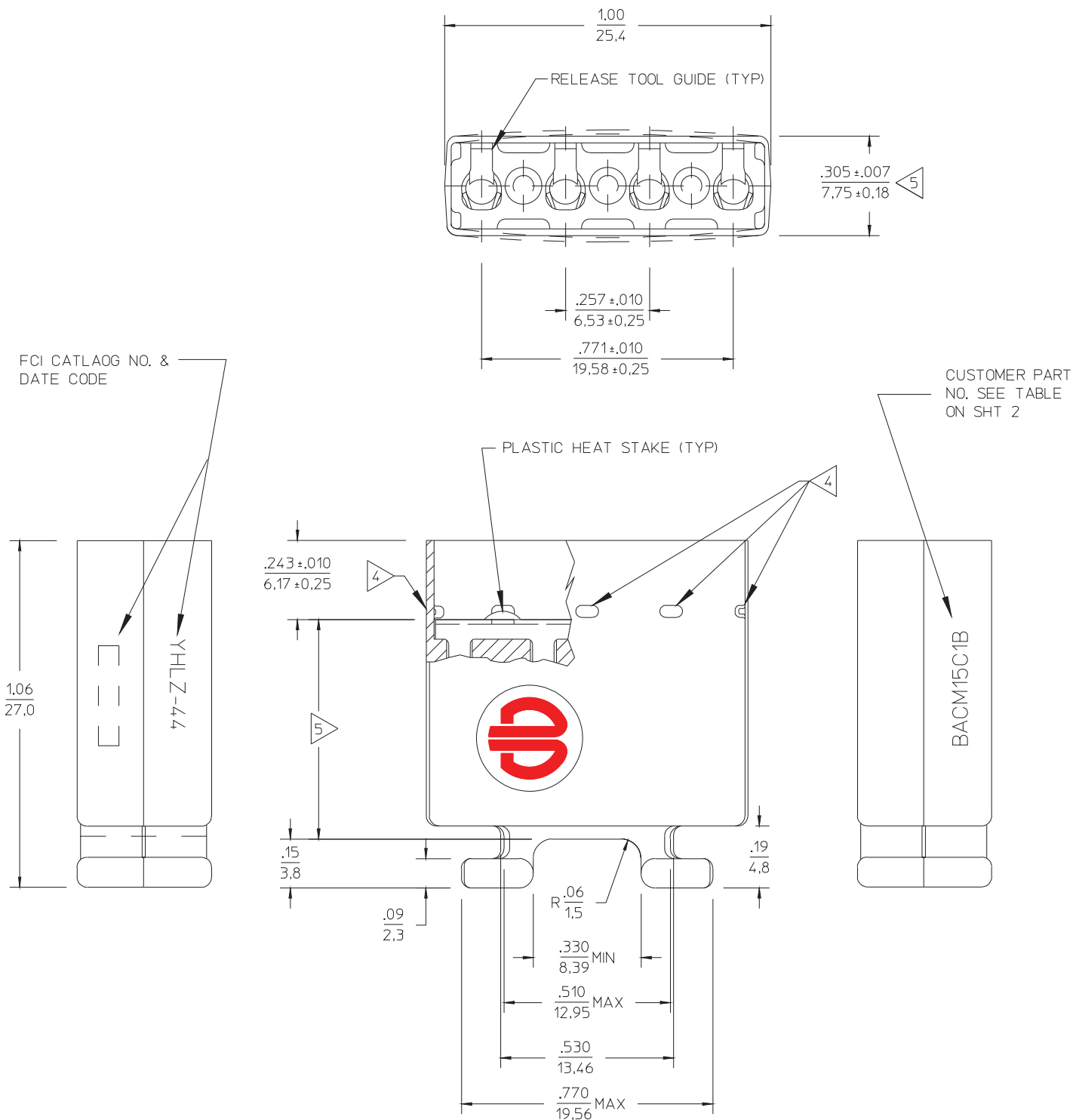


FIGURE 1

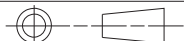
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|-----|----------------------------|-----|------|------|
| --- | ALL REV. RECORDED ON SHT 1 | --- | ---  | ---  |
| REV | REVISION DESCRIPTION       | BY  | CHKD | DATE |

### YHLZ TERMINAL BLOCK MODULE ASSEMBLY

CAT NO. YHLZ-44\_ (SEE TABLE)

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

| NO OF DECIMAL PLACES IN INCHES | INCH [mm]     |
|--------------------------------|---------------|
| ONE PLACE                      | ±.1 [±3]      |
| TWO PLACES                     | ±.02 [±0.5]   |
| THREE PLACES                   | ±.005 [±0.13] |

ANGLES ±1°

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|      |     |          |
|------|-----|----------|
| DRWN | THC | 01-04-73 |
| CHKD | TJS | 05-21-73 |
| DSGN | JB  | 05-22-73 |
| MKT  | FG  | 05-31-96 |
| QC   | ZR  | 06-05-96 |

DRAWING SCALE 2 : 1

DRAWING NO REV

SA75001 14

SHEET 4 OF 6

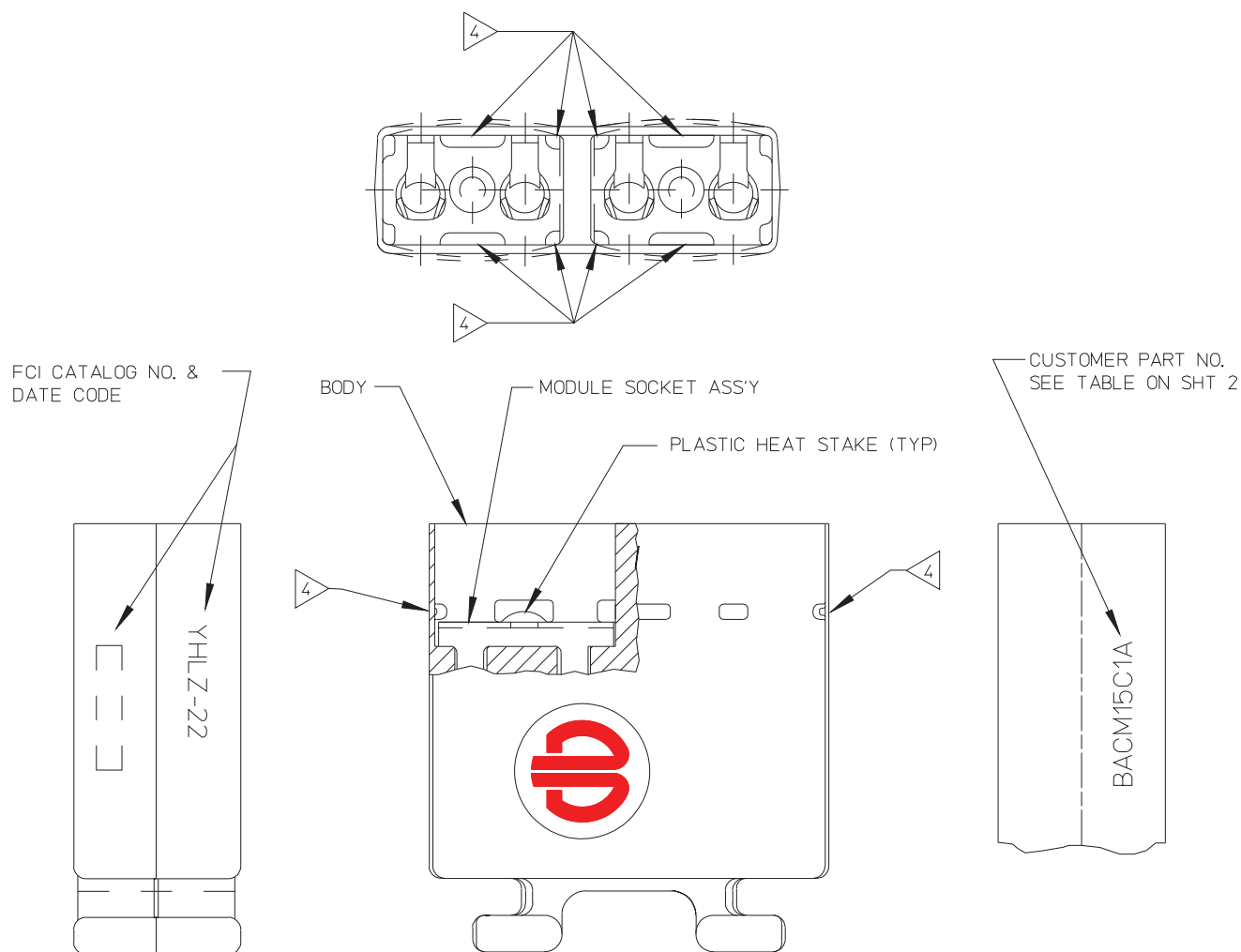


FIGURE 2

SEE FIG. 1 FOR  
ALL DIMENSIONS

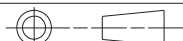
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# YHLZ TERMINAL BLOCK MODULE ASSEMBLY

CAT NO. YHLZ-22\_ (SEE TABLE)

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

| NO OF DECIMAL<br>PLACES IN INCHES | INCH [mm]                |
|-----------------------------------|--------------------------|
| ONE PLACE                         | $\pm.1$ [ $\pm.3$ ]      |
| TWO PLACES                        | $\pm.02$ [ $\pm 0.5$ ]   |
| THREE PLACES                      | $\pm.005$ [ $\pm 0.13$ ] |

ANGLES  $\pm 1^\circ$

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|                                                |      |     |          |
|------------------------------------------------|------|-----|----------|
| A<br>D<br>D<br>I<br>T<br>I<br>O<br>N<br>A<br>L | DRWN | THC | 01-04-73 |
|                                                | CHKD | TJS | 05-21-73 |
|                                                | DSGN | JB  | 05-22-73 |
|                                                | MKT  | FG  | 05-31-96 |
|                                                | QC   | ZR  | 06-05-96 |

DRAWING SCALE 2 : 1

DRAWING NO REV

SA75001 14

SHEET 5 OF 6

BUSSED BAR RECESSED  
DEEPER TO PREVENT  
EXPOSURE OF CONTACT  
PIN ABOVE INSULATING  
SURFACE.

SLOT FOR EXTRACTION  
TOOL TO REMOVE  
CONTACT PIN

PRIMARY CURRENT  
CARRYING MEMBER

.54  
13.7

.165 ±.015  
4.19 ±0.38

POSITIVE LOCKING MEMBER

WRAP AROUND CONTACT FINGERS  
FOR GOOD ELECTRICAL CONTACT

Ø .135 MAX  
3.43

CONTACT POINTS  
(3 PLACES)

TYP SECTION - CONTACT & C- SPRING  
SCALE 5:1

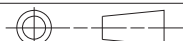
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### YHLZ TERMINAL BLOCK MODULE ASSEMBLY

CAT NO. YHLZ-22\_ & -44\_ (SEE TABLE)

LINEAR MEASURE: INCH mm INCH [mm]

THIRD ANGLE PROJECTION



- TOLERANCES -  
UNLESS OTHERWISE SPECIFIED

| NO OF DECIMAL<br>PLACES IN INCHES | INCH [mm]     |
|-----------------------------------|---------------|
| ONE PLACE                         | ±.1 [±3]      |
| TWO PLACES                        | ±.02 [±0.5]   |
| THREE PLACES                      | ±.005 [±0.13] |

ANGLES ±1°

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|      |     |          |
|------|-----|----------|
| DRWN | THC | 01-04-73 |
| CHKD | TJS | 05-21-93 |
| DSGN | JB  | 05-22-93 |
| MKT  | FG  | 05-31-96 |
| QC   | ZR  | 06-05-96 |

DRAWING SCALE: NONE

DRAWING NO. REV

SA75001 14

SHEET 6 OF 6