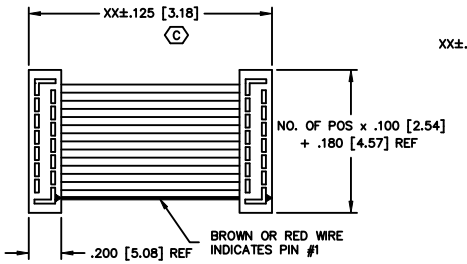
REVISION AA

UNLESS OTHERWISE NOTED
DIMENSIONS ARE IN INCHES — TOLERANCES ARE:
ONE PLACE DECIMALS ±.1 | THREE PLACE DECIMALS ± .005 | ANGLES ±1°
TWO PLACE DECIMALS ±.01 | FOUR PLACE DECIMALS ± .0020

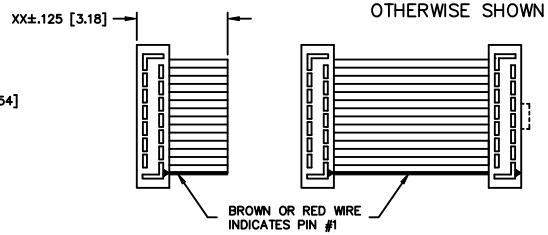
TITLE: .100 C.L MOLD TO POS. DOUBLE ROW, MALE ASSEMBLY

DWG NO: HCMD-XX-X-XX.XX-XX-XXX-XXX

–D (DOUBLE END)
FIGURE 1



–S (SINGLE END)
SAME AS FIG. 1 UNLESS OTHERWISE SHOWN



–T (TRANSFER END)
SEE NOTE 3
SAME AS FIG. 1 UNLESS OTHERWISE SHOWN

HCMD–XX–X–XX.XX–XX–XXX–XXX

- NO. OF POSITIONS PER ROW 02 – 36 (STANDARD COLOR–CODED CABLE N/A FOR 32 AND 36 POSITIONS. SEE –G OPTION.) (POSITIONS 21–36: EXISTING CUSTOMERS ONLY)
- END ASSEMBLY –S: SINGLE END –D: DOUBLE END –T: TRANSFER END
- ASSEMBLED LENGTH (2 INCH MINIMUM)
- LEAD STYLE –01: (SEE TABLE 1) –02: (SEE TABLE 1)
- OPTION # 1 (SEE OPTIONS BELOW AND SHT 2)
- OPTION # 2 (SEE OPTIONS BELOW AND SHT 2)

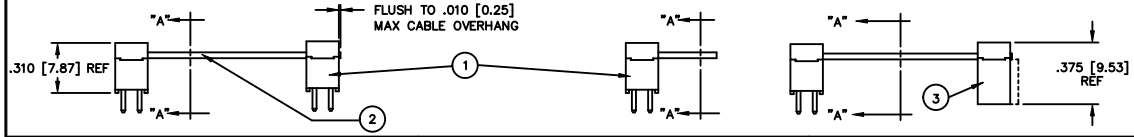
PLATING

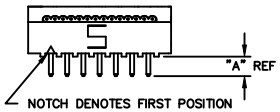
–T =.000150 BRIGHT ACID TIN ON ENTIRE CONTACT. (USED ONLY WITH FEMALE STRIP OF A –T END OPTION – USE HCSD–XX–01–TX.)

–S =.000010 Au. ON TAIL AREA WITH THE BALANCE OF .000150 BRIGHT ACID TIN – USE HCMD–XX–XX–S. (NOT TO BE USED WITH FEMALE STRIP OF A –T END OPTION.)

(STANDARD PLATING IS .000150 BRIGHT ACID TIN OVER ENTIRE TERMINAL – USE HCMD–XX–XX–T. FOR A –T OPTION, STANDARD PLATING FOR THE FEMALE END IS .000150 BRIGHT ACID TIN, EXCEPT CONTACT AREA IS .000010 Au. – USE HCSD–XX–01–SX.)

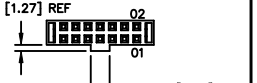
C NOTE:
SUB–ASSEMBLY 1 OR 3 TO BE PRESSED TOGETHER WITH NO GAPS BETWEEN CABLE & BODIES.





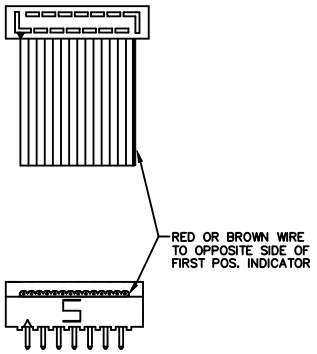
SECT. "A–A"
(SEE NOTE 8)

–N
NOTCH POLARIZATION



AVAILABLE ONLY WITH TRANSFER END OPTION, ONLY THE SOCKET IS POLARIZED.
USE HCSD–XX–01–N

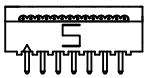
–RW
REVERSE WIRING



SECT. "A–A"

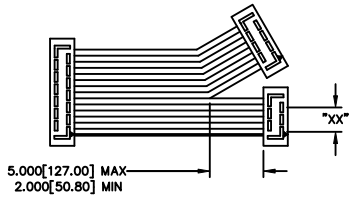
–G
GRAY CABLE

SUBSTITUTE GRAY CABLE FOR STANDARD COLOR CODED CABLE
USE: CB–XX–28–7/36–050–G



NOTE:
USE GRAY CABLE FOR –32 AND –36 POSITIONS.

–B"XX"
BREAKOUT OPTION

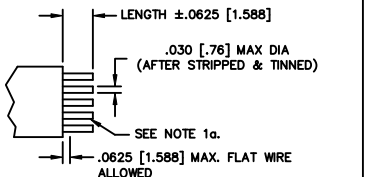


"XX"= NO. OF POSITIONS PER ROW BROKEN OUT FROM THE FIRST POSITION

–ST"X"
STRIPPED & TINNED

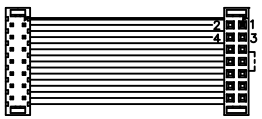
"X"	LENGTH
8	.125 [3.18]
4	.250 [6.35]
3	.375 [9.53]
2	.500 [12.70]

NOTE:
1a. CONDUCTORS SHALL BE CONSISTENT IN APPEARANCE. SOLDER MUST MAINTAIN CABLE STRANDS WITHIN THE MAX DIA. TOLERANCE.
2a. USE 60/40 TIN/LEAD SOLDER ONLY.
3a. NOT AVAILIBLE IN 28 POSITIONS AND UP.



–P"XX"
POLARIZED MATING

XX = POSITION NO.
INSERT POLARIZING KEY PART NO. PK–06–N INTO SPECIFIED POSITION –XX



NOTE:
OPTION ONLY AVAILABLE ON FEMALE END OF THE –T (TRANSFER END) OPTION.
THE POLARIZED POSITION WILL HAVE THE SAME ELECTRICAL POSITION FROM THE BROWN WIRE FIRST POSITION INDICATOR.

TABLE 1

LEAD STYLE	"A"	1	2	3 (–T END ONLY)
–01	.120 [3.05]	HCMD–XX–01–X	CB–XX–28–7/36–050–C	HCSD–XX–01–X
–02	.230 [5.84]	HCMD–XX–02–X	CB–XX–28–7/36–050–C	HCSD–XX–01–X

SPECIFY NO. OF POS. IN PART CALLOUT –XX

NOTES:
1. IF OPTION IS SPECIFIED WITH –T END ASSEMBLY, SUB–ASSEMBLIES B & C WILL BE HCSD–XX–01–X
2. IF OPTION IS SPECIFIED WITH –T END ASSEMBLY, SUB–ASSEMBLIES B & C WILL BE HCSS–XX–01–X
3. HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING –T–N OPTION
4. C REPRESENTS CRITICAL DIMENSIONS FOR STATISTICAL PROCESS CONTROL
5. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
6. ALL ASSEMBLIES TO BE 100% HI–POT TESTED AT 1000V.
7. WIRE: 28 AWG, 7/36, STRANDED. TINNED WITH PVC INSULATOR.
8. FOR –R OR –RW OPTION, CABLE RIB ORIENTATION CAN BE EITHER TOWARDS OR AWAY FROM THE CAP.
9. FOR –STX OPTION PACKAGE USING SKIN PACKAGING PER THE PACKAGING MANUAL. FOR ALL OTHER OPTIONS FOLLOW THE FLOWCHART IN THE THE FLOWCHART IN THE PACKAGING MANUAL FOR IDC CABLES.

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EP\CABLE
HCMD–XX–X–XX.XX–XX–XXX–XXX–ASM1

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