REVISION J
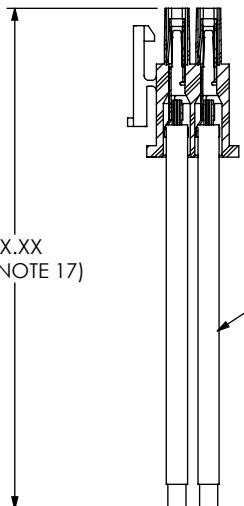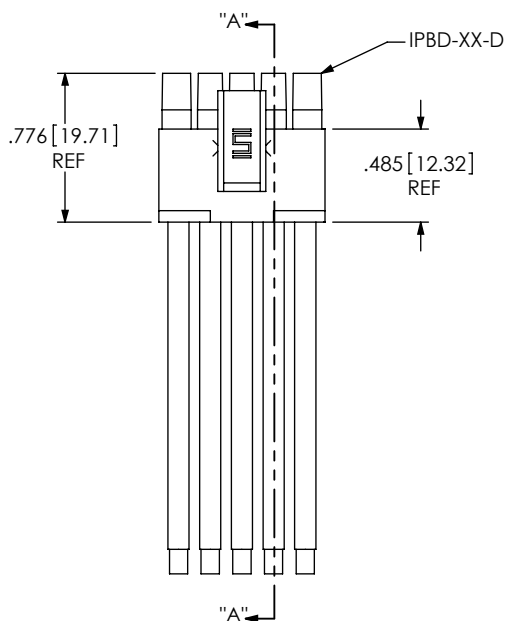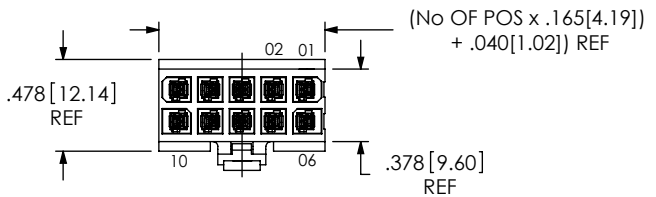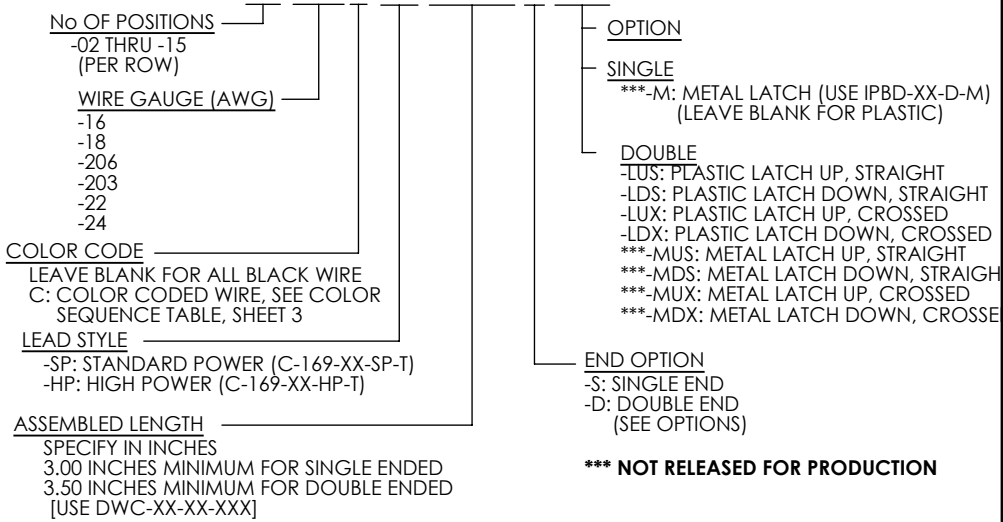
NOTES:
1. © REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .003[.08] MAX.
3. PARTS TO BE MOLDED TO POSITION.
4. MINIMUM PIN PULLOUT FORCE: 5.000LB[22.24N].
5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
6. ALL FINISHED GOODS ARE TO BE LAYER PACKAGED IN SHIPPING.
7. **ONLY AVAILABLE IN TIN PLATING**.
© 8. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY
   (INCLUDING HI-POT TEST AT 1000 VOLTS DC).
9. APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
10. DELETED.
11. DELETED.
12. -203 USES 20 GAGE 300 VOLT CABLE.
13. AVAILABLE ONLY AS AN ASO.
14. -206 USES 20 GAGE 600 VOLT CABLE.
15. MINIMUM METAL LATCH RETENTION FORCE: 1.000LB[4.45N].
16. SEE DWL-01-XXX-X-XX.XX-XX-XX FOR CRIMP DIMENSIONS.
17. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL
    BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.

DO NOT
SCALE FROM
THIS PRINT

PMSD-XX-XXXX-XX-XX.XX-X-XXX

No OF POSITIONS
-02 THRU -15
(PER ROW)

WIRE GAUGE (AWG)
-16
-18
-206
-203
-22
-24

COLOR CODE
LEAVE BLANK FOR ALL BLACK WIRE
C: COLOR CODED WIRE, SEE COLOR
  SEQUENCE TABLE, SHEET 3

LEAD STYLE
-SP: STANDARD POWER (C-169-XX-SP-T)
-HP: HIGH POWER (C-169-XX-HP-T)

ASSEMBLED LENGTH
SPECIFY IN INCHES
3.00 INCHES MINIMUM FOR SINGLE ENDED
3.50 INCHES MINIMUM FOR DOUBLE ENDED
[USE DWC-XX-XX-XXX]

OPTION

SINGLE
***-M: METAL LATCH (USE IPBD-XX-D-M)
  (LEAVE BLANK FOR PLASTIC)

DOUBLE
-LUS: PLASTIC LATCH UP, STRAIGHT
-LDS: PLASTIC LATCH DOWN, STRAIGHT
-LUX: PLASTIC LATCH UP, CROSSED
-LDX: PLASTIC LATCH DOWN, CROSSED
***-MUS: METAL LATCH UP, STRAIGHT
***-MDS: METAL LATCH DOWN, STRAIGHT
***-MUX: METAL LATCH UP, CROSSED
***-MDX: METAL LATCH DOWN, CROSSED

END OPTION
-S: SINGLE END
-D: DOUBLE END
  (SEE OPTIONS)

*** NOT RELEASED FOR PRODUCTION

(No OF POS x .165[4.19])
+ .040[1.02]) REF

.478[12.14] REF

02 01

10 06

.378[9.60] REF

"A"

IPBD-XX-D

.776[19.71] REF

.485[12.32] REF

© XX.XX
(SEE NOTE 17)

DWL-01-XXX-S-XX.XX-XX-XX

"A"

SECTION "A"-"A"

DWL-01-XXX-D-XX.XX-XX-XX
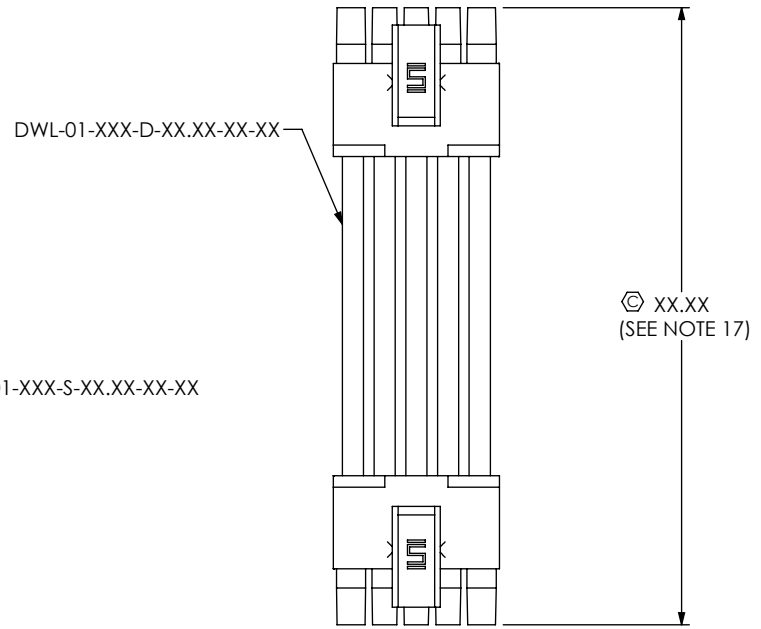
© XX.XX
(SEE NOTE 17)
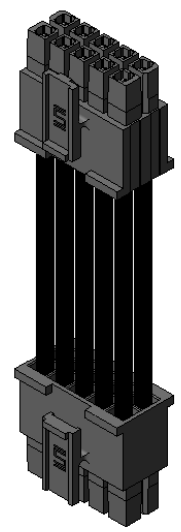
FIG. 2
(PMSD-05-22-XX-XX.XX-D-LUS SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

FIG. 1
(PMSD-05-22-XX-XX.XX-S SHOWN)
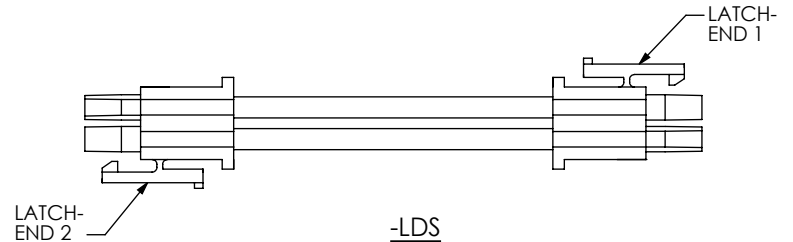
* SEE NOTES 12 & 13
** SEE NOTE 14

TABLE 1		
CABLE AWG	CABLE	CONTACT
16 AWG	DWC-16-10-600	C-169-03-XX-T
18 AWG	DWC-18-10-600	C-169-03-XX-T
**206 AWG	DWC-20-10-600	C-169-03-XX-T
*203 AWG	DWC-20-10-300	C-169-02-XX-T
22 AWG	DWC-22-10-300	C-169-02-XX-T
24 AWG	DWC-24-10-300	C-169-02-XX-T

c:\enterprisevault\DWG\MISC\MKTG\PMSD-XX-XXXX-XX-XX.XX-X-XXX-MKT.SLDDRW
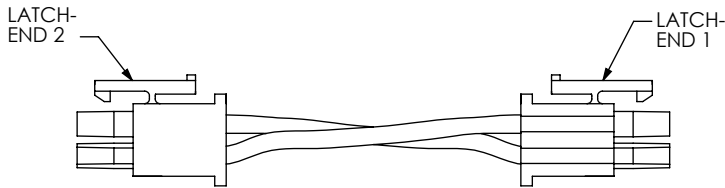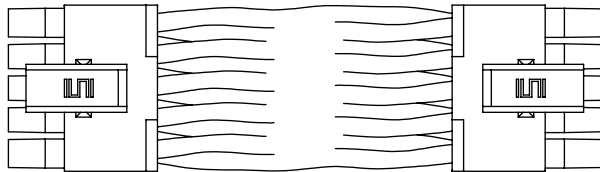
UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS   ANGLES
.XX: ±.01 [.3]   2 °
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

MATERIAL: DO NOT SCALE DRAWING   SHEET SCALE: 1:1
HOUSING: VALOX 457, COLOR: NATURAL
CONTACT: PHOS BRONZE
CABLE; INSULATION: PVC
  WIRE: TINNED COPPER (NOT LEAD FREE)
METAL LATCH: NICKEL-PLATED BeCu, #25, 1/2 HT

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733   FAX: 812-948-5047
e-Mail: info@SAMTEC.com   code: 55322

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.
PMSD-XX-XXXX-XX-XX.XX-X-XXX

BY: DEAN P   07/28/2004   SHEET 1 OF 3

REVISION J

-LUS
[LATCH UP- CABLE STRAIGHT]

LATCH-
END 2
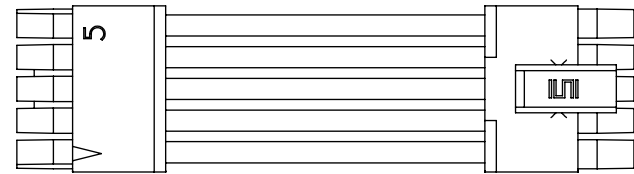
LATCH-
END 1

-LDS
[LATCH DOWN- CABLE STRAIGHT]

LATCH-
END 1

LATCH-
END 2

5

-LUX
[LATCH UP- CABLE CROSSED]

LATCH-
END 2
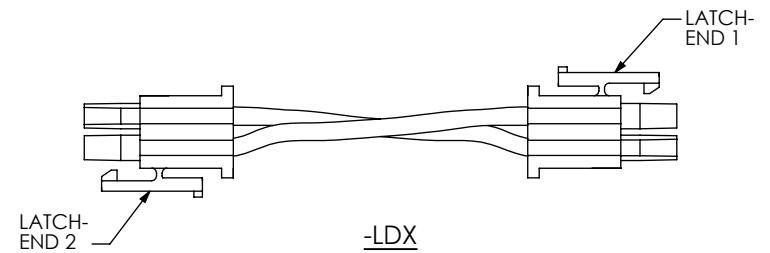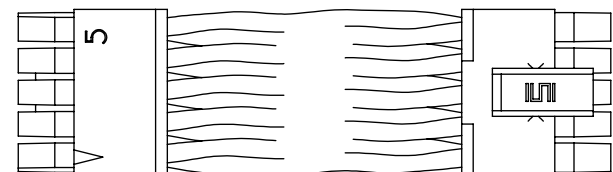
LATCH-
END 1

-LDX
[LATCH DOWN- CABLE CROSSED]

LATCH-
END 1

LATCH-
END 2

5

samtec

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.
PMSD-XX-XXXX-XX-XX.XX-X-XXX

BY: DEAN P   07/28/2004

c:\enterprisevault\DWG\MISC\MKTG\PMSD-XX-XXXX-XX-XX.XX-X-XXX-MKT.SLDDRW

FIG. 3
(PMSD-05-XXX-XX-XX.XX-S-M SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

NOT RELEASED FOR PRODUCTION

IPBD-XX-D-M

.621 [15.76] REF

.388 [9.86]

.120 [3.05] REF
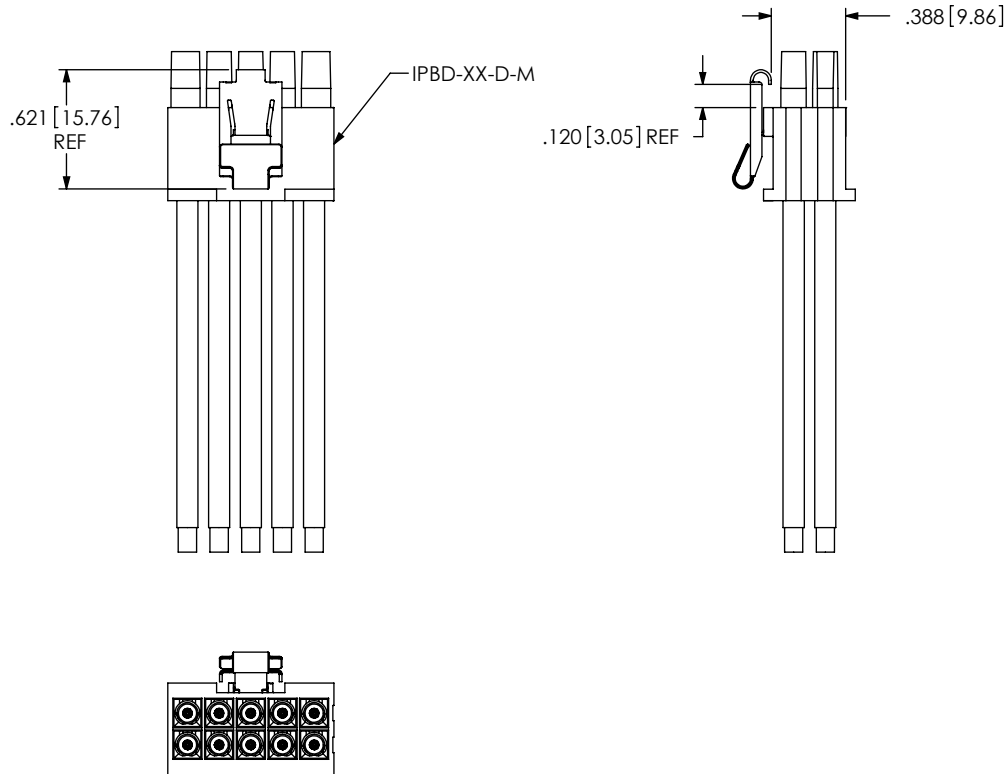
PMSD COLOR CODED WIRE SEQUENCE

	color									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
PIN#	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30

DESCRIPTION:
.165[4.19] SOCKET DISCREET CABLE ASSEMBLY

DWG. NO.
PMSD-XX-XXXX-XX-XX.XX-X-XXX

BY: DEAN P   07/28/2004   SHEET 3 OF 3

c:\enterprisevault\DWG\MISC\MKTG\PMSD-XX-XXXX-XX-XX.XX-X-XXX-MKT.SLDDRW