

REVISION AP

DO NOT SCALE FROM THIS PRINT

- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 2. MAXIMUM BURR ALLOWANCE: .003[0.08]
 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. FOLLOW PACKAGING MANUAL FOR PACKAGING INSTRUCTIONS.
 7. ONLY AVAILABLE IN TIN PLATING.
 8. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY (INCLUDING HI-POT TEST AT 1000 VOLTS DC). AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
 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. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS
 17. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
 18. AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION P.
 19. AVAILABLE TO EXISTING CUSTOMERS ONLY, DO NOT DESIGN AS OF REVISION Z.
 20. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
 21. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
 22. NYLON MATERIALS ARE HYGROSCOPIC. PRODUCT MAY EXPAND UP TO 0.5% DEPENDING ON CONDITIONS OF THE SURROUNDING ENVIRONMENT. ALL PRINT DIMENSIONS REPRESENT "DRY AS MOLDED" STATE.

PMSDX-XX-XXXX-X-XX.XX-X-XXX

- FEP CABLE OPTION
 -T: FEP (LEAVE BLANK FOR STANDARD PVC INSULATION) (SEE NOTE 20)
- No OF POSITIONS
 -02 THRU -15 (PER ROW)
- WIRE GAUGE (AWG)
 PVC: -16, -18, -206, -203, -22, -24
 FEP: *-18, -24
- COLOR CODE
 LEAVE BLANK FOR ALL BLACK WIRE
 C: COLOR CODED WIRE, SEE COLOR SEQUENCE TABLE, SHEET 3 (NOT AVAILABLE FOR TEFLON OPTION, TEFLON CABLE ONLY AVAILABLE IN BLUE)
- LEAD STYLE
 -SP: STANDARD POWER (C-169-XX-SP-T) *(SEE NOTE 19)
 -HP: HIGH POWER (C-169-XX-HP-T) *(SEE NOTE 18)
 -K: KEYED POLARIZATION (C-169-XX-SP-T) (USE IPBD-XX-D-K) (SEE FIG 4, SHT 3)
- ASSEMBLED LENGTH
 SPECIFY IN INCHES
 3.00 INCHES MINIMUM FOR SINGLE ENDED
 3.50 INCHES MINIMUM FOR DOUBLE ENDED
 [USE DWCX-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 (MUST CHOOSE LUS, LDS, LUX, LDX, MUS, MDS, MUX, OR MDX)
- *AVAILABLE TO EXISTING CUSTOMERS ONLY**

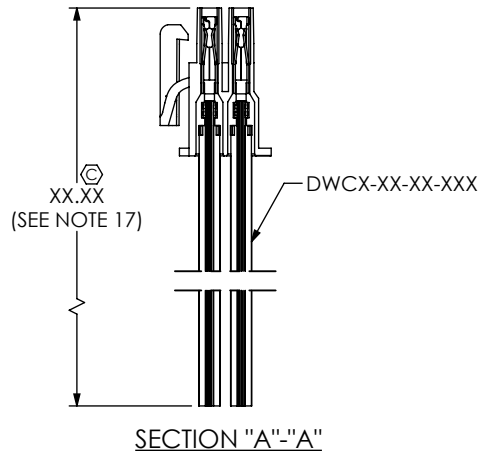
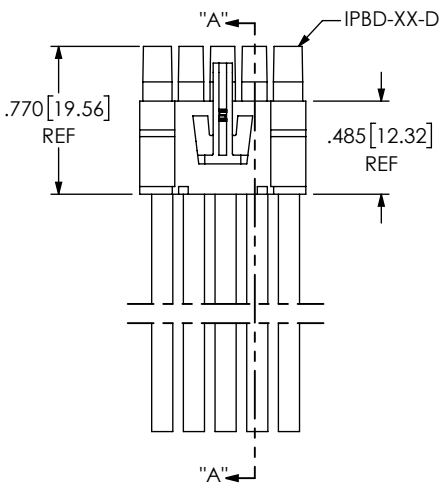
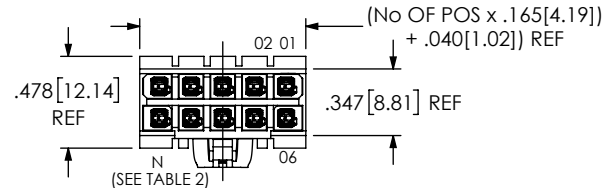


FIG 1 (PMSDX-05-XXXX-X-XX.XX-S SHOWN)

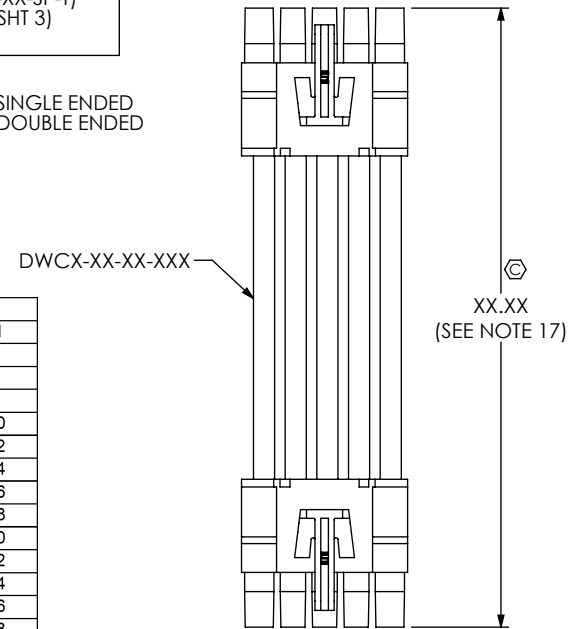


FIG 2 (PMSDX-05-XXXX-X-XX.XX-D-LUS SHOWN) (SAME AS FIG 1, EXCEPT AS SHOWN)

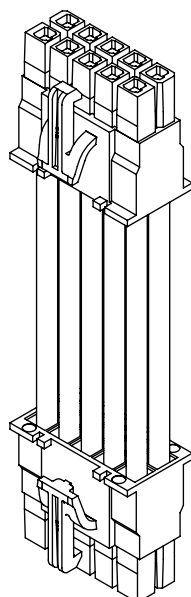
Table 2

No. of Pos	N
-02	4
-03	6
-04	8
-05	10
-06	12
-07	14
-08	16
-09	18
-10	20
-11	22
-12	24
-13	26
-14	28
-15	30

TABLE 1

SERIES	CABLE AWG	CABLE	CONTACT	"P"
PMSD	16 AWG	DWC-16-10-600	C-169-03-XX-T	.128 [3.25]
PMSD	18 AWG	DWC-18-10-600	C-169-03-XX-T	.115 [2.92]
PMSD	***206 AWG	DWC-20-10-600	C-169-03-XX-T	.115 [2.92]
PMSD	**203 AWG	DWC-20-10-300	C-169-02-XX-T	.128 [3.25]
PMSD	22 AWG	DWC-22-10-300	C-169-02-XX-T	.128 [3.25]
PMSD	24 AWG	DWC-24-10-300	C-169-02-XX-T	.128 [3.25]
PMSDT	*18 AWG	DWCT-18-01	C-169-03-XX-T	.115 [2.92]
PMSDT	24 AWG	DWCT-24-01-TC	C-169-04-XX-T	.128 [3.25]

* AVAILABLE TO EXISTING CUSTOMERS ONLY
 ** SEE NOTES 12 & 13
 *** SEE NOTE 14



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
 DECIMALS ANGLES
 .XX: ±.01 [0.3] 2°
 .XXX: ±.005 [0.13]
 .XXXX: ±.0020 [0.051]

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1

HOUSING: NYLON, COLOR: NATURAL UL 94 V-0,
 CONTACT: PHOS BRONZE
 CABLE: INSULATION: SEE CALLOUT
 WIRE: SEE CABLE PRINT (NOT LEAD FREE)
 METAL LATCH: NICKEL-PLATED BeCu

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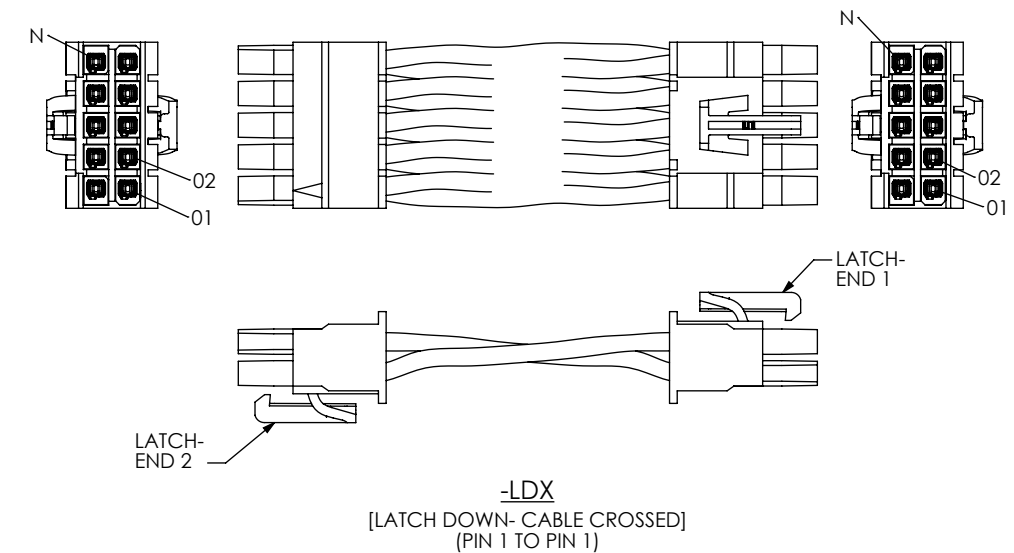
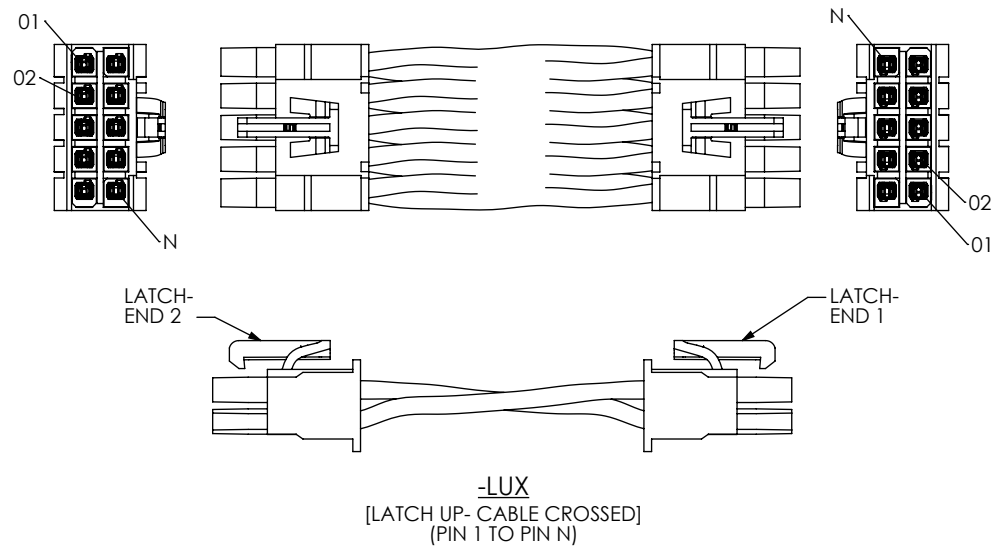
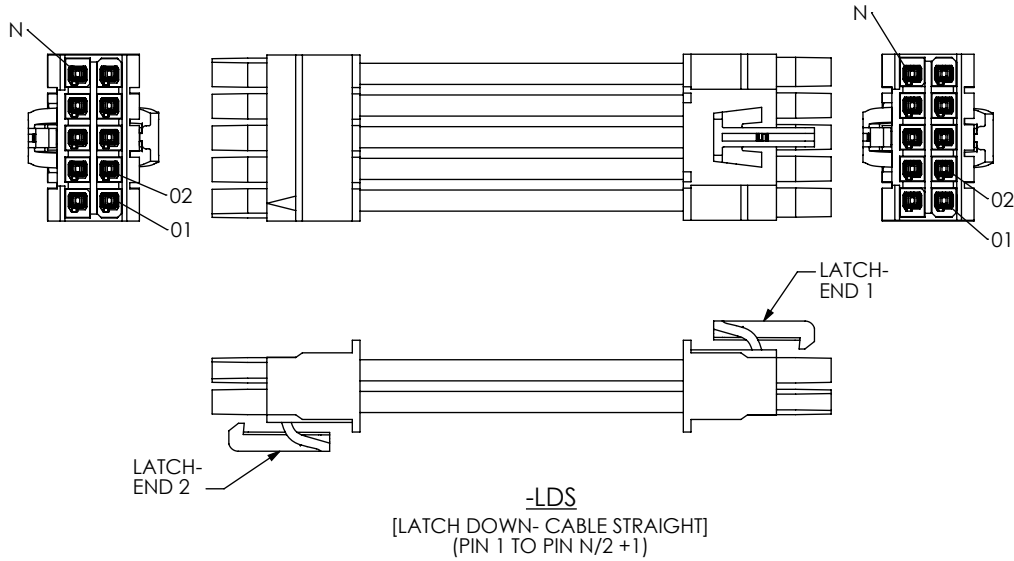
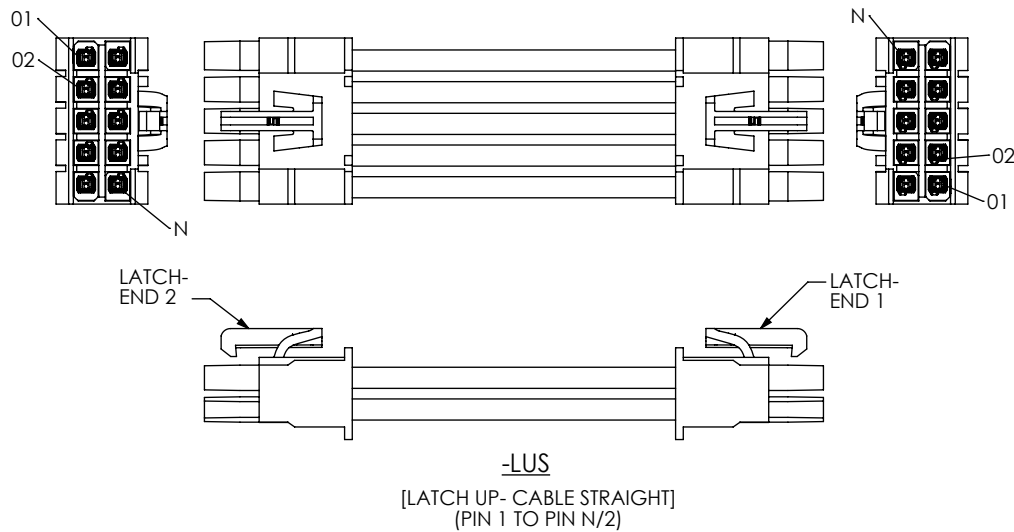
samtec

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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
 .165[4.19] SOCKET DISCREET CABLE ASSEMBLY

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

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



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DO NOT SCALE DRAWING
SHEET SCALE: 1:1



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e-Mail info@SAMTEC.com code 55322

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

BY: DEAN P 07/28/2004 SHEET 2 OF 3

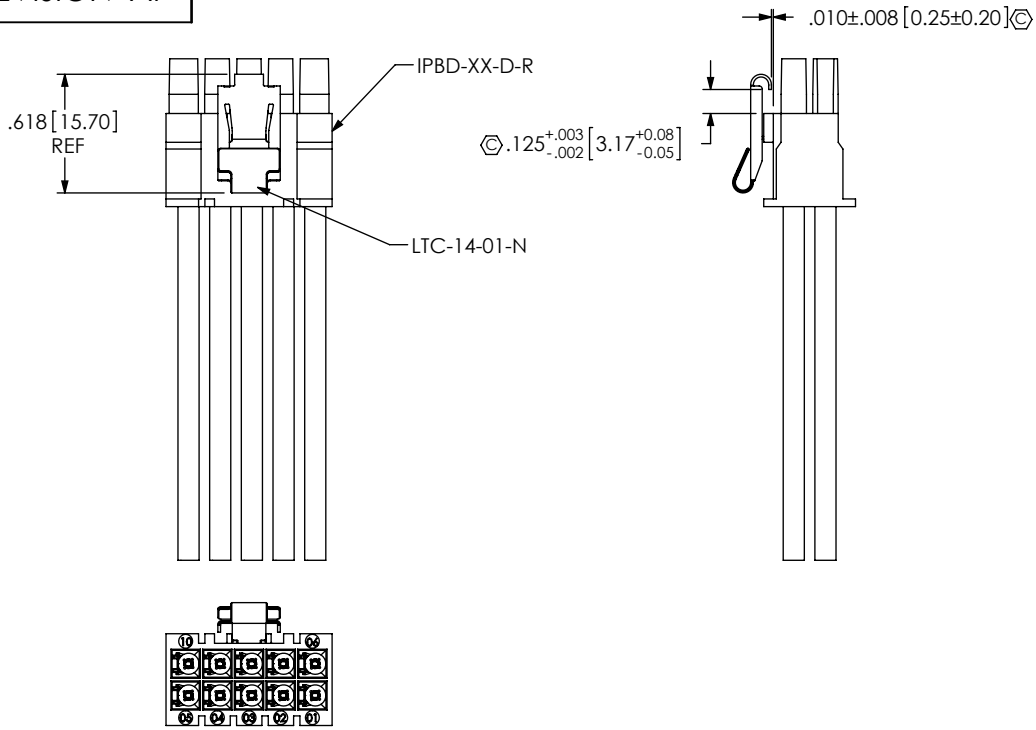


FIG 3
(PMSDX-05-XXXX-X-XX.XX-S-M SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

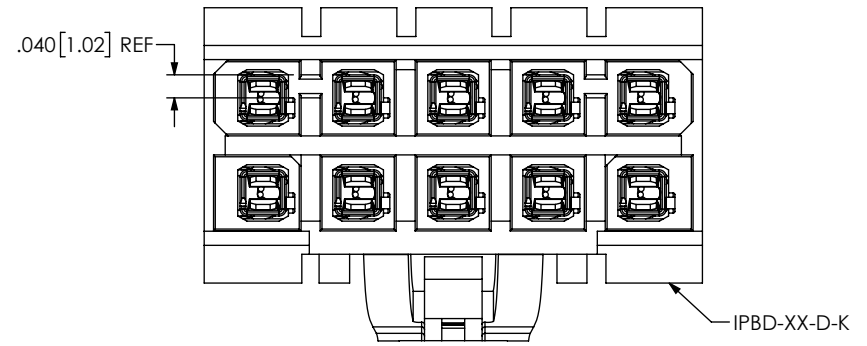
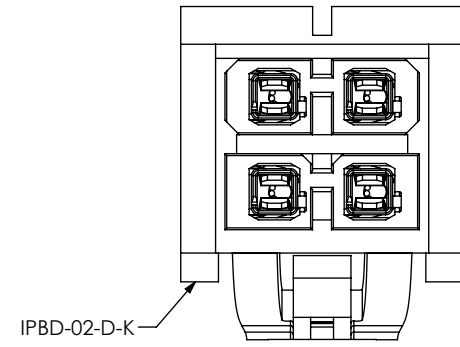
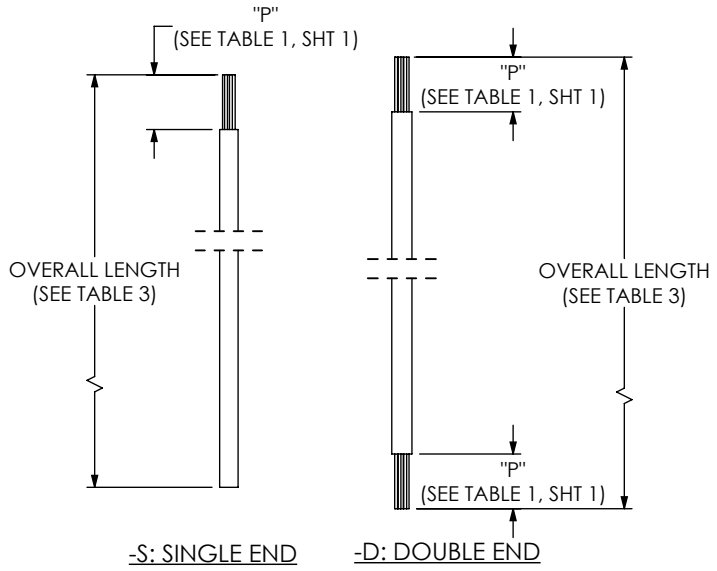


FIG 4
SCALE 3:1
-K: KEYED POLARIZATION
(PMSDX-05-XXXX-X-XX.XX-S-K SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



-.02 POS
(DIFFERENT AS SHOWN)

CABLE CUT IN-PROCESS



PMSD COLOR CODED WIRE SEQUENCE

PIN#	color									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
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	

TABLE 3
(OVERALL LENGTH SUBTRACTORS)
(SEE NOTE 21)

	LENGTH
-S: SINGLE END	.479 [12.17]
-D: DOUBLE END	.958 [24.33]

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