

DO NOT
SCALE FROM
THIS PRINT

- 1.  REPRESENTS A CRITICAL DIMENSION.
- 2. MINIMUM PUSHOUT FORCE: .5 LB.
- 3. COPLANARITY: $.004[0.10] =$ POS 05 THRU 26
 $.006[0.15] =$ POS 27 THRU 50
- 4. TUBE ALL POSITIONS. PARTS TO BE TUBED WITH NOTCH GOING WITH ARROW.
- 5. PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FACE SAME WAY.
- 6. SEE NOTCH FOR PROPER ORIENTATION.
- 7.  MAXIMUM PIN HEIGHT VARIATION: $.003[0.08]$ FROM PIN TO PIN AND ROW TO ROW, MUST BE MEASURED BETWEEN ADJACENT PINS.
- 8. DUE TO HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
- 9. DIMENSION TO BE MEASURED AT BEND.

*DIMENSIONS N/A FOR -N OPTION

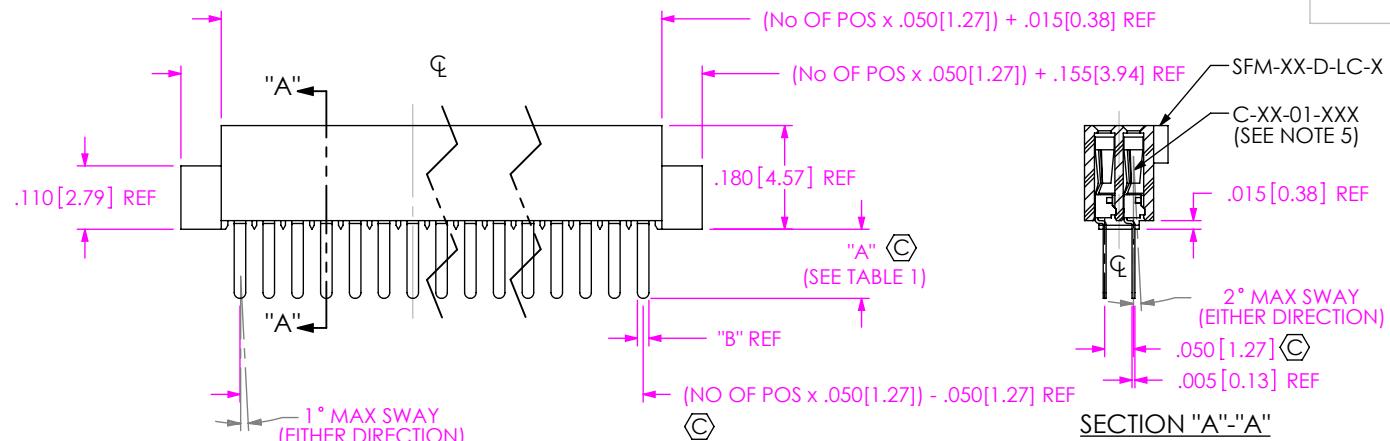
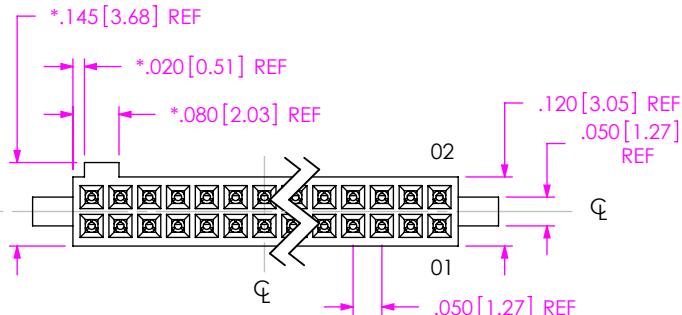


FIG 1
THROUGH HOLE/STRAIGHT MODIFIED

TABLE 1		
SUFFIX	TAIL LENGTH "A"	TAIL WIDTH "B"
-X1	.120[3.05]	.020[0.51]
-X3	.075[1.91]	.016[0.41]

ANY CHANGES MADE TO THIS PRINT MUST ALSO BE MADE TO THE SFC PRINT

SFM-1XX-XX-XXX-D-XXX

NO OF POSITIONS _____
ALL POSITIONS AVAILABLE
-02 THRU -50
(USE BODY: SFM-XX-D-XX-X)

LEAD STYLE

- 01: THROUGH HOLE
(USE CONTACT: C-44-01-XXX)
(SEE FIG 1, SHT 1)
- 02: SURFACE MOUNT
(USE CONTACT: C-44-02-XXX)
(SEE FIG 2, SHT 2)
- 03: STRAIGHT MODIFIED
(USE CONTACT: C-44-03-XXX)
(SEE FIG 1, SHT 1)
- L1: THROUGH HOLE (LOW INSERTION)
(USE CONTACT: C-61-01-XXX)
(SEE FIG 1, SHT 1)
- L2: SURFACE MOUNT (LOW INSERTION)
(USE CONTACT: C-61-02-XXX)
(SEE FIG 2, SHT 2)
- L3: STRAIGHT MODIFIED (LOW INSERTION)
(USE CONTACT: C-61-03-XXX)
(SEE FIG 1, SHT 1)
- T1: THROUGH HOLE (PHOS BRONZE)
(USE CONTACT: C-119-01-XXX)
(SEE FIG 1, SHT 1)
- T2: SURFACE MOUNT (PHOS BRONZE)
(USE CONTACT: C-119-02-XXX)
(SEE FIG 2, SHT 2)

OPTIONS
(LEAVE BLANK FOR STANDARD
AND USE SFM-XX-D)
-N: NO POLARIZATION NOTCH
(USE SFM-XX-D-XX-N)
-A: ALIGNMENT PIN (USE SFM-XX-D-A-X)
(SEE FIG 4, SHT 2)
-LC: LOCKING CLIP (SEE FIG 6, SHT 3 & NOTE 8)
(AVAILABLE ON ALL LEADS)
-P: PICK AND PLACE PAD
(SEE FIG 5, SHT 2)
(AVAILABLE ON 5 THRU 50 POSITION ONLY)
-TR: TAPE & REEL (SEE SHT 4)
(NOT AVAILABLE WITH -DS OPTION)
-K: POLYIMIDE FILM PAD (.005[0.13] THICKNESS)
(SEE FIG 3, SHT 2) (USE K-DOT-.157-.250-.005)
-SN: SOLDER NAIL FOR .062 BOARD
(SFM-XX-D-SN AND WT-27-01-T)
(AVAILABLE WITH LEAD STYLE -02, -L2 & -T2)
(NOT AVAILABLE WITH -A & -LC)
-SN2: SOLDER NAIL FOR .093 BOARD
(SFM-XX-D-SN AND WT-27-02-T)
(AVAILABLE WITH LEAD STYLE -02, -L2 & -T2)
(NOT AVAILABLE WITH -A & -LC)
-DS: DUAL SCREW DOWN FOR .062 BOARD
(SEE FIG 8, SHT 3)
(ONLY AVAILABLE WITH -01, -02 AND -03 LEAD
STYLE)(NOT AVAILABLE WITH OPTIONS -N, -A,
-LC, -P, -TR, -K, -SN AND SN2), (USES SFM-XX-D-DS,
CPS-RR-XX-XX-X, ACCRT-01 AND WT-27-XX-T
ALWAYS FILLED)

BODY SPECIFICATION

— PLATING SPECIFICATION

- S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
- H: 30μ" HEAVY GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
- STL: 30μ" SELECTIVE GOLD IN CONTACT AREA,
TIN/LEAD (90/10+/-5%) TAIL
(ONLY AVAILABLE ON -02 OR -L2 LEADSTYLES)
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
- FM: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
- LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL

SECTION "A"- "A"

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: $\pm .01$ [0.3] 2°
.XXX: $\pm .005$ [0.13]
.XXXX: $\pm .0020$ [0.051]

MATERIAL: DO NOT SCALE DRAWING SH
INSULATOR: LCP UL 94V-O, COLOR: BLACK
CONTACT: TIGER EYE: BeCu
TIGER EYE LITE: PHOSPHOR BRONZE

E:\DWG\MISC\MKTG\SEM-1XX-XX-XXXX-D-XXXX-MKT.SI.DRW

Samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
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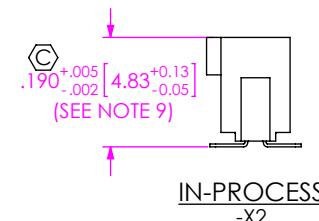
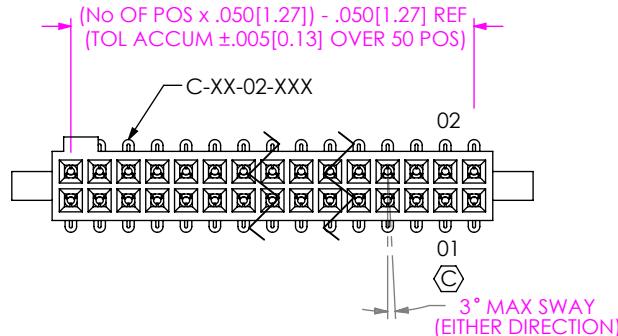
... 050 SOCKET STRIP DOUBLE ROW ASSEMBLY

2019

SFM-1XX-XX-XXX-D-XXX

JORDAN 12/11/89 SHEET 1 OF 4

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FOR HAND FILL ONLY
NOTE: DIMENSION APPLIES PRIOR
TO RE-PRESS, SEE SECTION "B"- "B"
FOR FINISHED DIMENSION

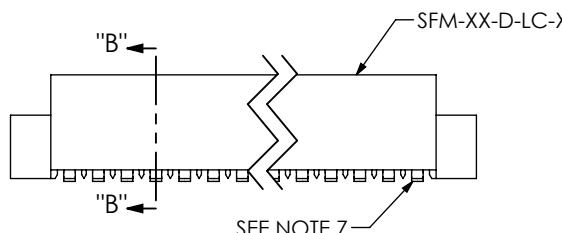


FIG 2
-X2: SURFACE MOUNT
(SAME AS FIG 1, DIFFERENT AS SHOWN)

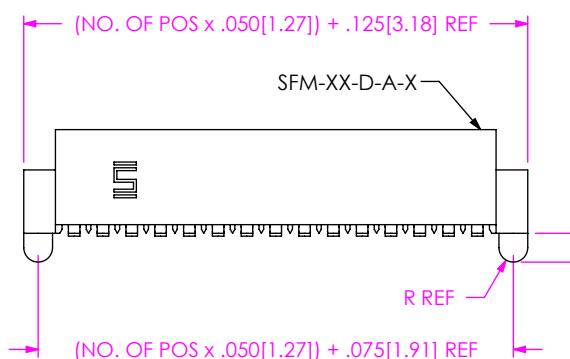


FIG 4
-A: ALIGNMENT PIN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

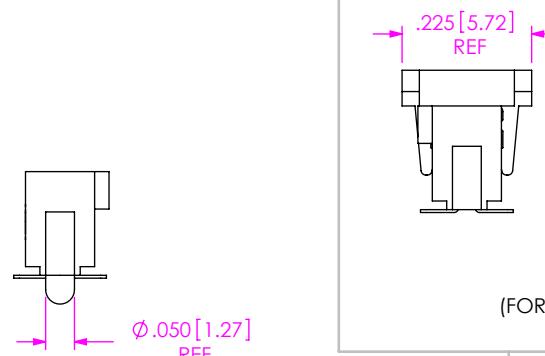


FIG 5
-P: PICK AND PLACE PAD
(PAD TO BE ORIENTED AS SHOWN FOR 5-12 POSITION PARTS)
(FOR 13-50 POSITION PARTS, PAD MAY BE ORIENTED IN EITHER DIRECTION)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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SHEET SCALE: 3:1

DWG. NO.

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: .050 x .050 SOCKET STRIP DOUBLE ROW ASSEMBLY

DWG. NO.

SFM-1XX-XX-XXX-D-XXX

BY: JORDAN 12/11/89 SHEET 2 OF 4

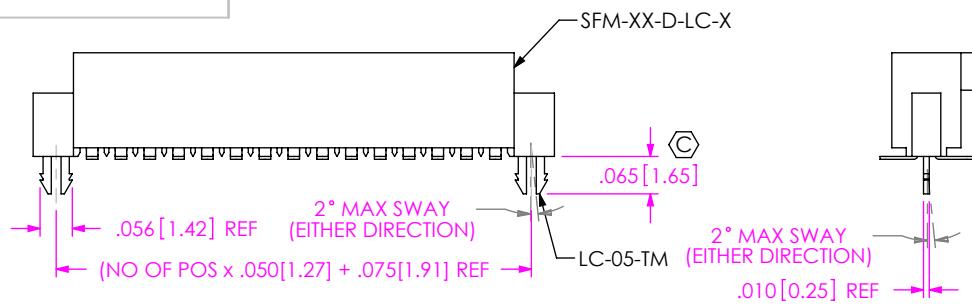


FIG 6
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)
(AVAILABLE IN ALL LEADS)

TABLE 4		
LEAD STYLE	"D"	WT-27
-01	.081	-01
-02	.081	-01
-03	.115	-02

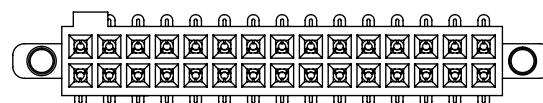
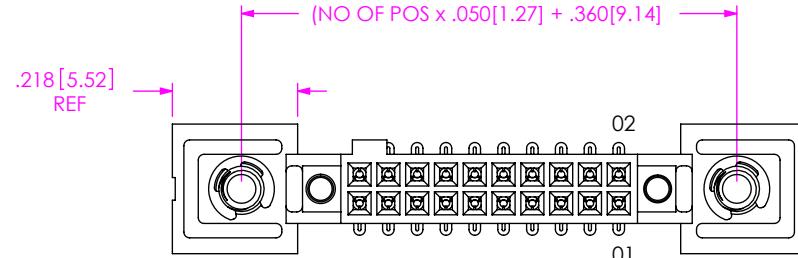
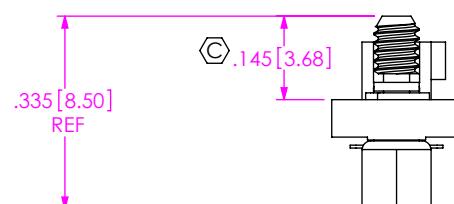


TABLE 3	
OPTION	"C"
-SN	.076[1.93]
-SN2	.110[2.79]

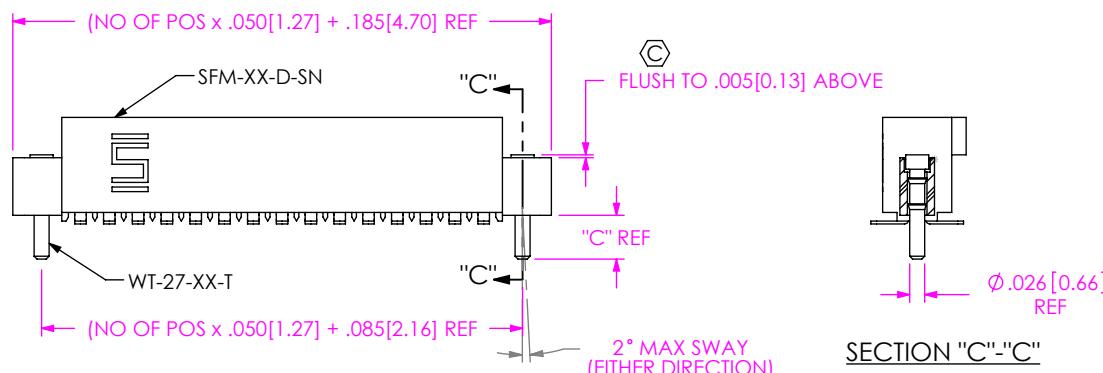


FIG 7
-SNX: SOLDER NAIL
(SAME AS FIG 1, DIFFERENT AS SHOWN)

SECTION "C"-C"

ϕ .026[.66] REF

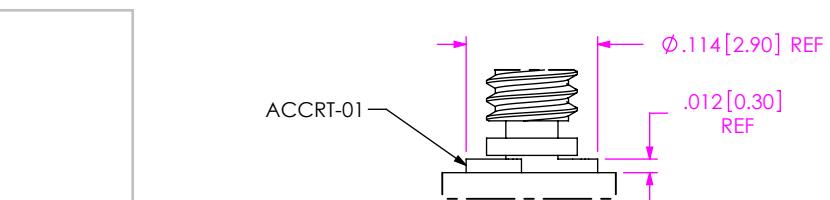
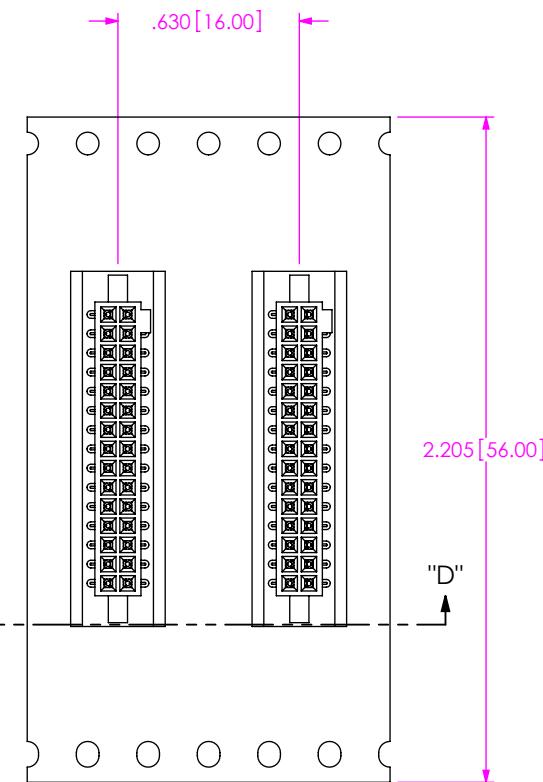


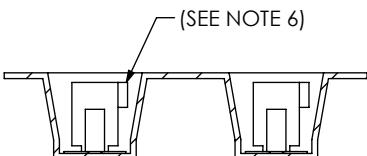
FIG 8
-DS: DUAL SCREW DOWN
(SAME AS FIG 2, DIFFERENT AS SHOWN)

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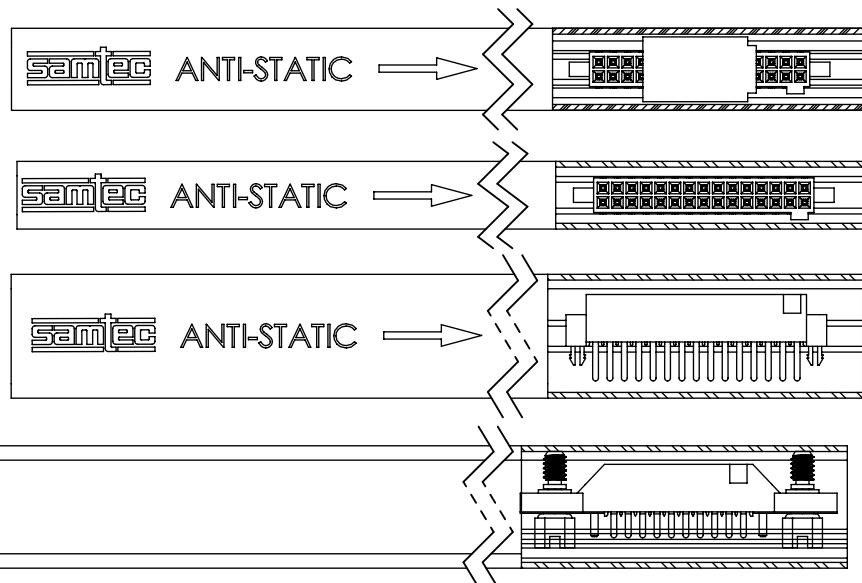
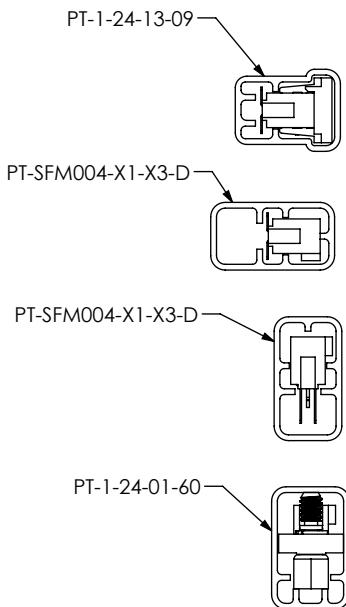


UNWINDING DIRECTION →



SECTION "D"-D"
SCALE 2 : 1

PACKAGING VIEW
-TR: TAPE AND REEL



LEAD STYLE	PACKAGING TUBE	PLUG
-105-X2-X-D, -105X2-X-D-LC, -105-X2-D-A, -105-X2-D-K-LC, -105-X2-X-D-K, -105-X2-X-D-A-K	PT-1-24-14-09	TP-24-02
-X1-D, -X3-D, -X1-D-LC, -X3-D-LC, (NO P&P PAD), -X1-D-A, -X3-D-A, -X1-D-K, -X3-D-K	PT-SFM004-X1-X3-D	TP-24-02
-X1-D-P, -X1-D-LC-P (WITH P&P PAD), X1-D-A-P	PT-1-24-02-17	TP-09
-X2-D, -X2-D-K, -X2-D-LC (NO P&P PAD), -X2-D-A, -X2-D-K-A, -X2-D-LC-K, -X2-D-SNX	PT-SFM004-X1-X3-D	TP-24-02
-X2-D-P, -X3-D-P, -X2-D-LC-P (WITH P&P PAD), -X2-D-A-P, -X3-D-A-P, -X2-D-P-SNX	PT-1-24-13-09	TP-24
-01-DS, -02-DS, -03-DS	PT-1-24-01-60	TP-03

*FOR MACHINE LOADING OF TUBES FOR PARTS W/O PADS USE PT-1-24-14-09, TP-24-02

5 POS -01 AND -03 LEAD STYLES MAY BE TUBED USING PT-1-24-15-09, TP-24-02
2 POS -X1 STYLE TO BE TUBED IN PT-1-24-15-09

PACKAGING VIEW
PACKAGE PARTS IN TUBES AS SHOWN (SEE NOTE 4)

F:\DWG\MISC\MKTG\SFM-1XX-XX-XXX-D-XXX-MKT.SLDDRW

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DWG. NO. SFM-1XX-XX-XXX-D-XXX	
BY: JORDAN 12/11/89	SHEET 4 OF 4

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