



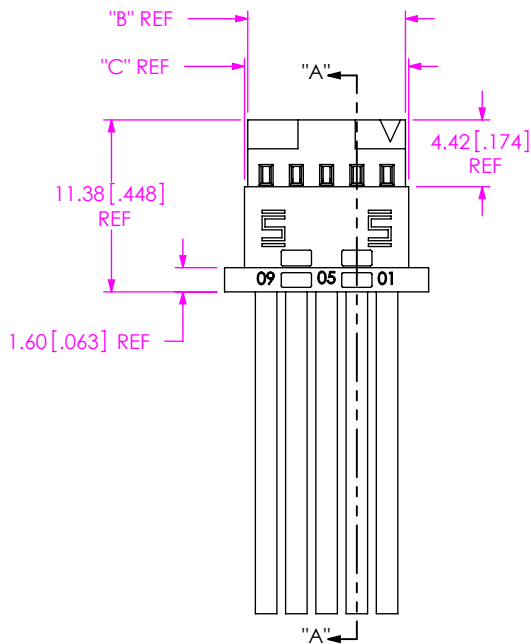
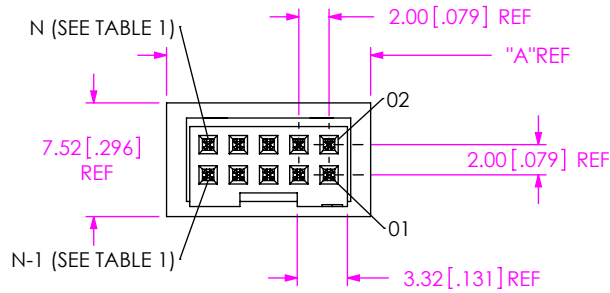
**THE DATASHEET OF  
S2SD-10-30-L-39.36-DR-NDX**



**DESIGNED & DIMENSIONED  
IN MILLIMETERS[INCHES]**

**S2SDX-XX-XXX-XX-XX.XX-XX-XXX**

DO NOT  
SCALE FROM  
THIS PRINT



**TEFLON CABLE OPTION**  
-T: TEFLON (AVAILABLE WITH  
24, 28 & 30AWG ONLY)  
(LEAVE BLANK FOR STANDARD  
PVC INSULATION)

**No OF POSITIONS**  
-02, -04, -05, -07, -10, -15, -20,  
-25, & -30 (PER ROW)  
AVAILABLE AS STANDARD  
-05 THRU -50 AVAILABLE AS ASO

**WIRE GAUGE (AWG)**  
-24, -26, -28, & 30

**COLOR CODE**  
(LEAVE BLANK FOR ALL BLACK WIRE)  
-C: COLOR CODED WIRE, SEE TABLE 3,  
SHEET 3 FOR COLOR SEQUENCE  
(AVAILABLE WITH 24 AWG ONLY)  
(NOT AVAILABLE FOR TEFLON OPTION,  
TEFLON CABLE ONLY AVAILABLE IN BLUE)

**PLATING SPECIFICATION**  
-L: LIGHT SELECTIVE  
-S: SELECTIVE

**-NXX OPTION (END 2)**  
(ONLY AVAILABLE WITH -D, -DL, -DR, -DS)  
-NUS: NOTCH UP, STRAIGHT  
(PIN 1 TO N-1) (SEE FIG 2)  
-NDS: NOTCH DOWN, STRAIGHT  
(PIN 1 TO 2) (SEE FIG 4)  
-NUX: NOTCH UP, CROSSED  
(PIN 1 TO N) (SEE FIG 3)  
-NDX: NOTCH DOWN, CROSSED  
(PIN 1 TO 1) (SEE FIG 5)

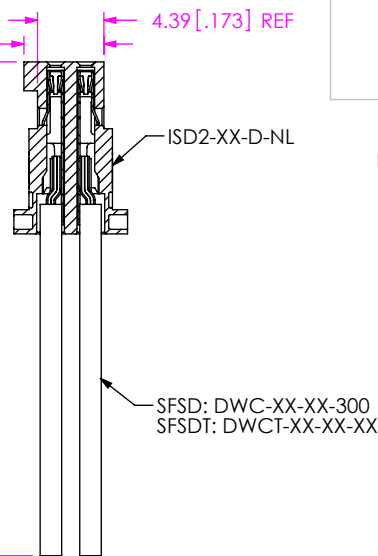
**END OPTION**  
-S: SINGLE ENDED (SEE FIG 1)  
-D: DOUBLE ENDED (SEE FIG'S 2, 3, 4, 5, 6, & 7)  
-SR: SINGLE ENDED WITH RETENTION LATCH  
(SEE FIG 6)  
-DR: DOUBLE ENDED WITH RETENTION LATCH  
(SEE FIG 7)  
-SS: DUAL SCREW DOWN, SINGLE ENDED CABLE  
(SEE FIG 8, SHT 3) (ONLY AVAILABLE UP TO  
30 POSITIONS) (USES ISD2-XX-D-S,  
CPS-RR-M2-01-N, AND ACCRT-01)  
-DS: DUAL SCREW DOWN, DOUBLE ENDED CABLE  
(SEE FIG 9, SHT 3) (ONLY AVAILABLE UP TO  
30 POSITIONS) (USES ISD2-XX-D-S,  
CPS-RR-M2-01-N, AND ACCRT-01)

**ASSEMBLED LENGTH**  
SPECIFY IN INCHES  
SINGLE ENDED: 02.75 INCH MINIMUM  
DOUBLE ENDED: 02.75 INCH MINIMUM

\*\* = NOT RELEASED FOR PRODUCTION

No OF POSITIONS	N	N-1	"A"	"B"	"C"
-02	4	3	7.500	4.430	4.860
-04	8	7	11.500	8.430	8.860
-05	10	9	13.500	10.430	10.860
-07	14	13	17.500	14.430	14.860
-10	20	19	23.500	20.430	20.860
-15	30	29	33.500	30.430	30.860
-20	40	39	43.500	40.430	40.860
-25	50	49	53.500	50.430	50.860
-30	60	59	63.500	60.43	60.860

SERIES	AWG	CABLE	CONTACT
S2SD	24	DWC-24-XX-300	C-281-2426-X
S2SD	26	DWC-26-XX-300	C-281-2426-X
S2SD	28	DWC-28-XX-300	C-281-2830-X
S2SD	30	DWC-30-XX-300	C-281-2830-X
*S2SDT	24	DWCT-24-01-TC	C-281-2426-X
*S2SDT	28	DWCT-28-01-TC	C-281-2830-X
*S2SDT	30	DWCT-30-01-TC	C-281-2830-X



ASSEMBLED LENGTH  
(SEE NOTE 8)

**SECTION "A"- "A"**

**FIG 1**  
S2SDX-05-24-X-XX.XX-S SHOWN

**NOTES:**

- ⊙ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PULLOUT FORCE: 11.1N [2.5LBS].
- CONTACTS MUST BE INSERTED UNTIL RETENTION FEATURES LOCK INTO PLACE.
- ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-{AD-ID}-WI-3092-M.
- TINNED COPPER WIRE IS ROHS COMPLIANT.
- PARTS TO BE LAYER PACKAGED.
- END OF DISCRETE WIRE MUST FALL WITHIN THIS RANGE AFTER CRIMP.
- FOR LENGTHS OF 12.00 INCHES AND LESS, TOLERANCE TO BE ± 3.18[.125], FOR LENGTHS GREATER THAN 12.00 INCHES, TOLERANCE TO BE ± 2%
- REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
- NOTE DELETED
- TC TEFLON IS TO BE USED EXCLUSIVE WITH DOUBLE ENDED ASSEMBLIES, ALL SINGLE ENDED ASSEMBLIES USE SILVER PLATED DWCT-XX-01.
- CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
- DUAL POLARIZATION FEATURE NOT AVAILABLE ON BODIES LESS THAN 5 POSITIONS.
- THE PRODUCTS WITH OPTION -DS AND -SS SHOULD BE PACKAGED IN BUBBLE BAGS.

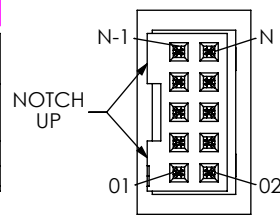
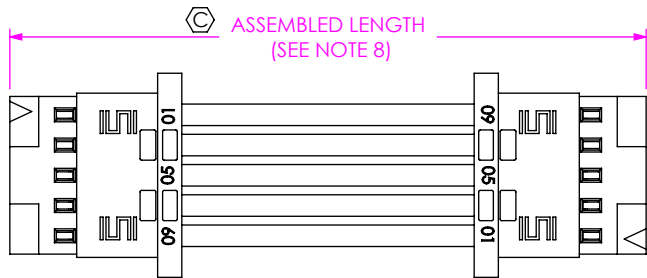
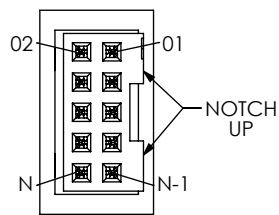
UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
X.X: ±0.3 [.01] 2°  
X.XX: ±0.13 [.005]  
X.XXX: ±0.051 [.0020]

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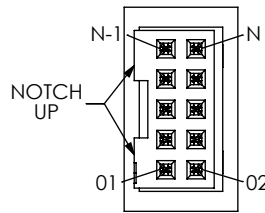
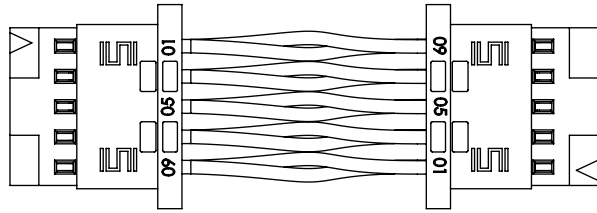
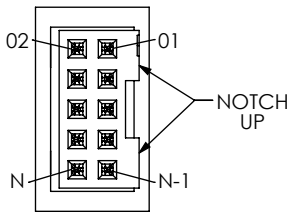
**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: LCP, COLOR: BLACK  
CONTACT: B8CU  
CABLE INSULATION  
S2SD: PVC, COLOR: (SEE 'COLOR CODE')  
S2SDT: TEFLON, COLOR: BLUE  
CABLE WIRE  
S2SD: TINNED COPPER  
S2SDT: SILVERED COPPER or TINNED COPPER (SEE DWCT PRINT FOR OPTIONS)  
F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX.XX-XXX-MKT.SLDRW

**samtec**  
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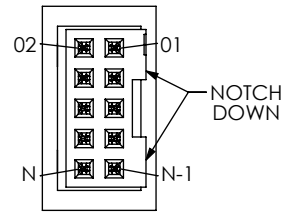
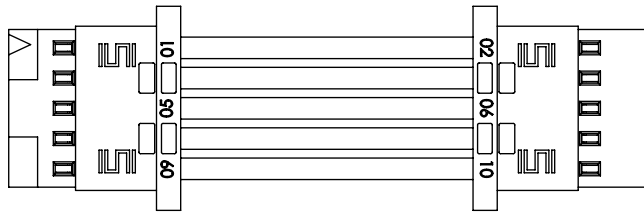
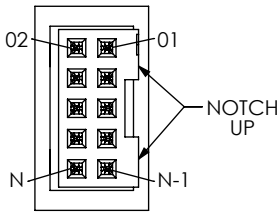
DESCRIPTION:  
**2.00mm SOCKET DISCRETE CABLE ASSEMBLY**  
DWG. NO.  
**S2SDX-XX-XXX-XX-XX.XX-XX-XXX**  
BY: J. BORGELT 2/20/09 SHEET 1 OF 4



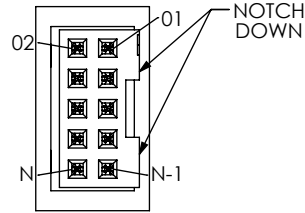
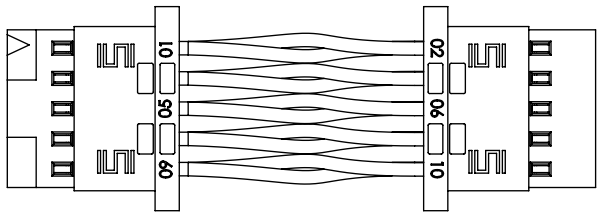
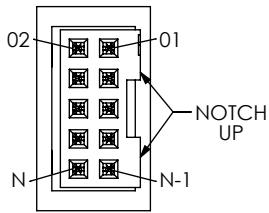
**FIG 2**  
(S2SDX-05-28-X-XX.XX-D-NUS SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(PIN 01 TO N-1)



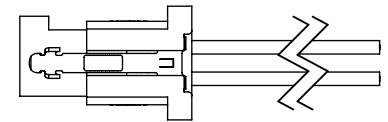
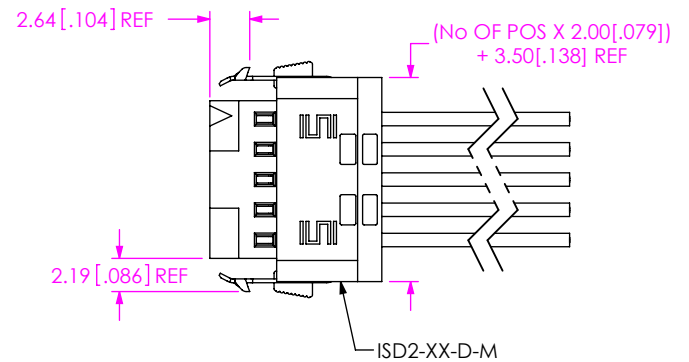
**FIG 3**  
(S2SDX-05-28-X-XX.XX-D-NUX SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(PIN 01 TO N)



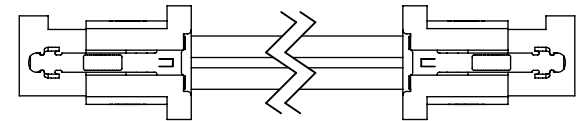
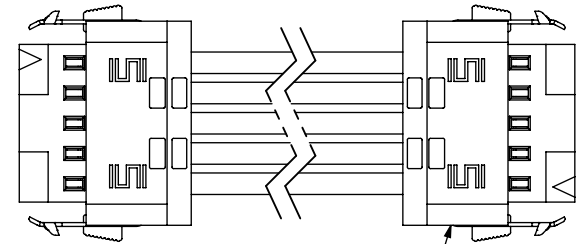
**FIG 4**  
(S2SDX-05-28-X-XX.XX-D-NDS SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(PIN 01 TO 02)



**FIG 5**  
(S2SDX-05-28-X-XX.XX-D-NDX SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(PIN 01 TO 01)



**FIG 6**  
(S2SDX-05-28-X-XX.XX-SR SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)



**FIG 7**  
(S2SDX-05-28-X-XX.XX-DR-NUS SHOWN)  
(SAME AS FIG 6, EXCEPT AS SHOWN)

F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW

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SHEET SCALE: 2:1



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DESCRIPTION:  
2.00mm SOCKET DISCRETE CABLE ASSEMBLY

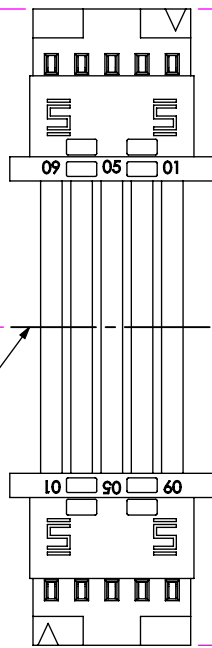
DWG. NO.  
**S2SDX-XX-XXX-XX-XX-XX-XXX**

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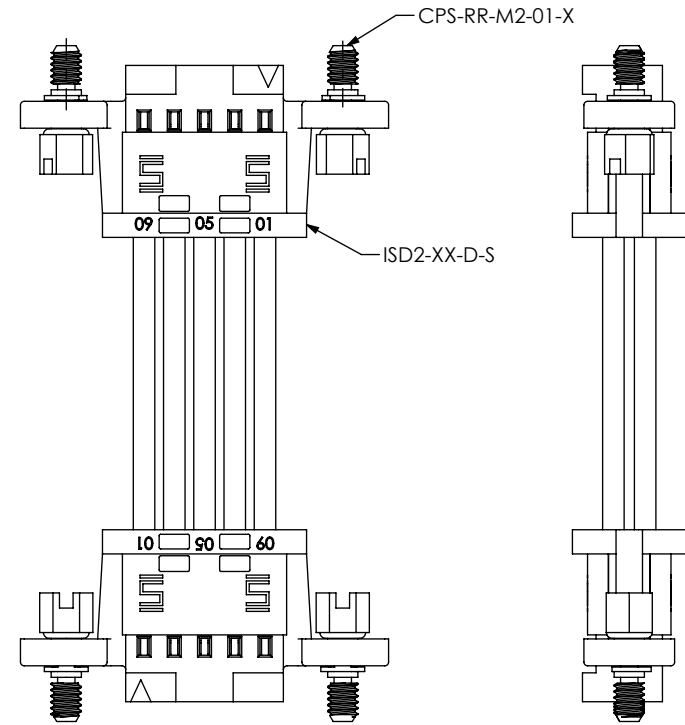
ASSEMBLED LENGTH  
(SEE NOTE 8 & 12)

CUT LINE

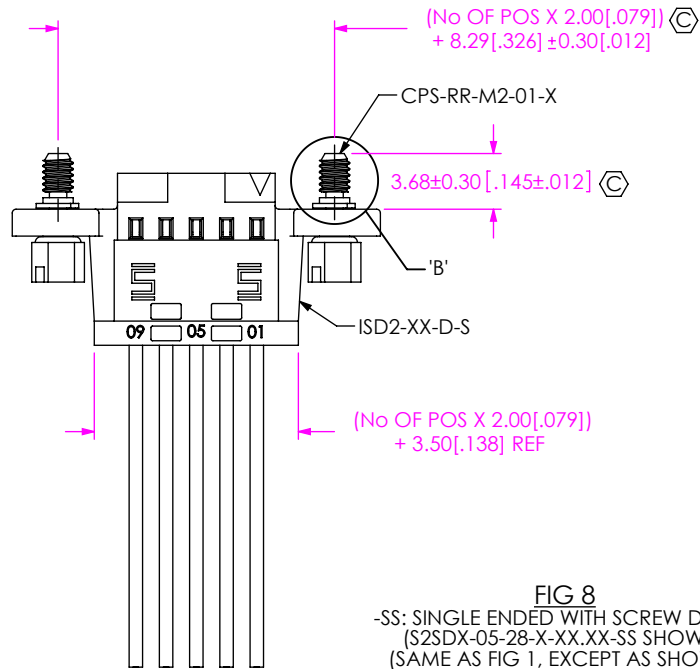
(ASSEMBLED LENGTH X 2)  
+ 12.70[.500] ADDER  
(SEE NOTE 8 & 12)



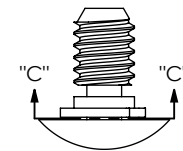
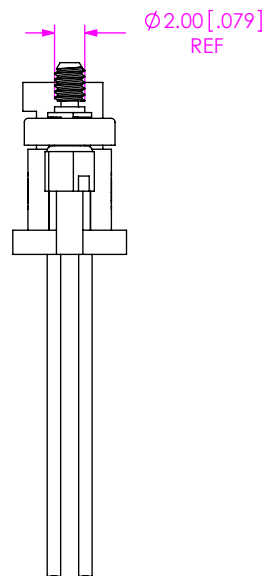
**IN-PROCESS 1**  
(APPLIES TO -S, & -SR END OPTIONS ONLY)  
(TO BE BUILT DOUBLE-ENDED INITIALLY  
FOR E-TEST AND THEN SEPERATED)



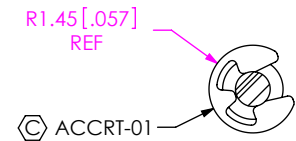
**FIG 9**  
-DS: DOUBLE ENDED WITH SCREW DOWN  
(S2SDX-05-28-X-XX.XX-DS-NUS SHOWN)  
(SAME AS FIG 8, EXCEPT AS SHOWN)



**FIG 8**  
-SS: SINGLE ENDED WITH SCREW DOWN  
(S2SDX-05-28-X-XX.XX-SS SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)



**DETAIL 'B'**  
SCALE 4 : 1



**SECTION "C"-"C"**  
SCALE 4 : 1

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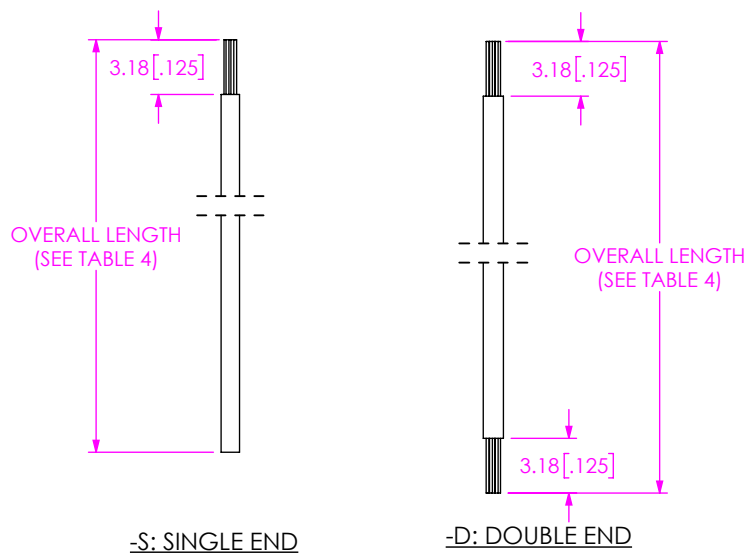


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DESCRIPTION:  
2.00mm SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
**S2SDX-XX-XXX-XX-XX.XX-XX-XXX**

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-S: SINGLE END

-D: DOUBLE END

CABLE CUT IN-PROCESS

	LENGTH
-S: SINGLE END	.224 [5.69]
-D: DOUBLE END	.448 [11.38]

TABLE 3  
COLOR SEQUENCE

POS #	COLOR SEQUENCE									
	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
	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
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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