

LOC		DIST		REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D	REVISE PER 06-?????????	04/APR/06	ECC	FDM

S or P

08

P

3

F2

—

F3

PRODUCT CODE
P — FLEXPAC CABLE
S — FLEXSTRIP

TOTAL NUMBER
OF CONDUCTORS

ASSEMBLY LENGTH TO NEAREST
TENTH OF AN INCH. SEE CABLE
SPECIFICATION DRAWINGS FOR
SPECIFIC MEASUREMENT CRITERIA.

LEFT END
TERMINATION

RIGHT END
TERMINATION

P — FLEXPAC CABLE

INSULATION MATERIAL
P — POLYESTER CABLE

S — FLEXSTRIP

N — NOMEX*
T — TEFLON*
K — KAPTON*
P — POLYESTER*

*AVAILABLE ONLY WITH FLEXSTRIP
JUMPER.
NOMEX,TEFLON,AND KAPTON ARE
TRADEMARKS OF DuPONT.

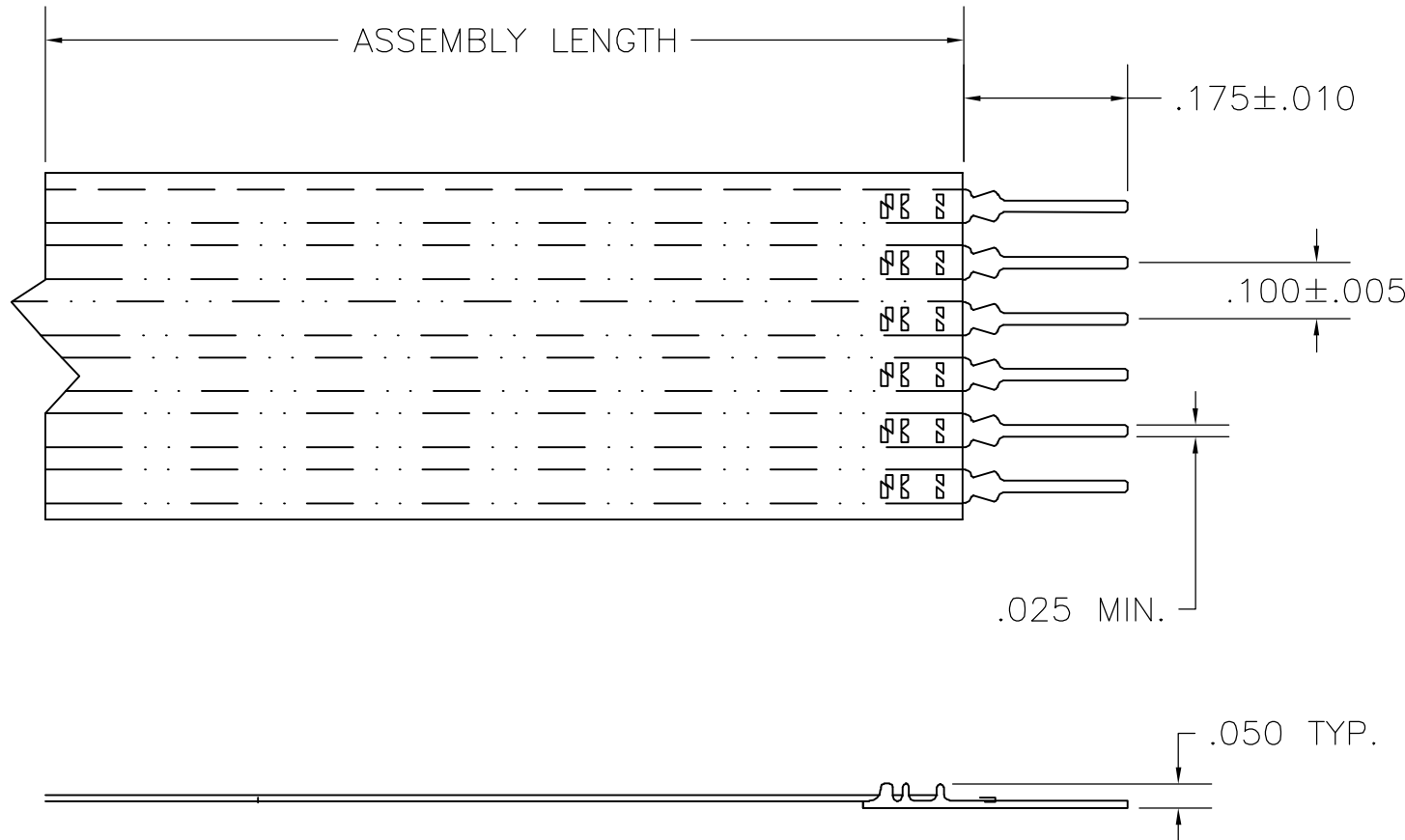
TERMINATION STYLE

- S
- P
- A STRAIGHT FLEXSTRIP PIN
 - B RIGHT ANGLE FLEX STRIP PIN
 - C RIGHT ANGLE STAGGERED FLEXSTRIP PIN
 - D STRAIGHT STAGGERED FLEXSTRIP PIN
 - E FLEXPAC SOLDER PIN STRAIGHT
 - E2 FLEXPAC SOLDER PIN RIGHT ANGLE UP
 - E3 FLEX PAC SOLDER PIN RIGHT ANGLE DOWN
 - F SINGLE ROW SOCKET TIN PLATED
 - F1 SINGLE ROW SOCKET POLARIZED UP TIN PLATED
 - F2 SINGLE ROW RIGHT ANGLE SOCKET UP TIN PLATED
 - F3 SINGLE ROW RIGHT ANGLE SOCKET DOWN TIN PLATED
 - F4 SINGLE ROW RIGHT ANGLE SOCKET POLARIZED UP TIN PLATED
 - F5 SINGLE ROW RIGHT ANGLE SOCKET POLARIZED DOWN TIN PLATED
 - F6 SINGLE ROW SOCKET POLARIZED DOWN TIN PLATED
 - G DOUBLE ROW SOCKET TIN PLATED
 - G1 DOUBLE ROW SOCKET POLARIZED UP TIN PLATED
 - G2 DOUBLE ROW SOCKET POLARIZED DOWN TIN PLATED
 - H SINGLE ROW SOCKET GOLD PLATED
 - H1 SINGLE ROW SOCKET POLARIZED UP GOLD PLATED
 - H2 SINGLE ROW RIGHT ANGLE SOCKET UP GOLD PLATED
 - H3 SINGLE ROW RIGHT ANGLE SOCKET DOWN GOLD PLATED
 - H4 SINGLE ROW RIGHT ANGLE SOCKET POLARIZED UP GOLD PLATED
 - H5 SINGLE ROW RIGHT ANGLE SOCKET POLARIZED DOWN GOLD PLATED
 - H6 SINGLE ROW SOCKET POLARIZED DOWN GOLD PLATED
 - I DOUBLE ROW SOCKET GOLD PLATED
 - I2 DOUBLE ROW SOCKET POLARIZED UP GOLD PLATED
 - I3 DOUBLE ROW SOCKET POLARIZED DOWN GOLD PLATED
 - J SINGLE ROW MALE TIN PLATED
 - L SINGLE ROW MALE GOLD PLATED

1. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF
TYCO ELECTRONICS STANDARD 230-702.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN E.C. CLAYBAUGH 18/JAN/02	tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES		CHK F.MCCORKEL 05/JUN/02	NAME FLEXPAC, GENERIC DRAWING			
		APVD F.D. McCORKEL 12/MAR/03	PRODUCT SPEC			
		APPLICATION SPEC				
MATERIAL —	FINISH —	WEIGHT —	SIZE A2	CAGE CODE 00779	DRAWING NO C=1474505	RESTRICTED TO —
CUSTOMER DRAWING				SCALE N.T.S.	SHEET 1 of 7	REV D

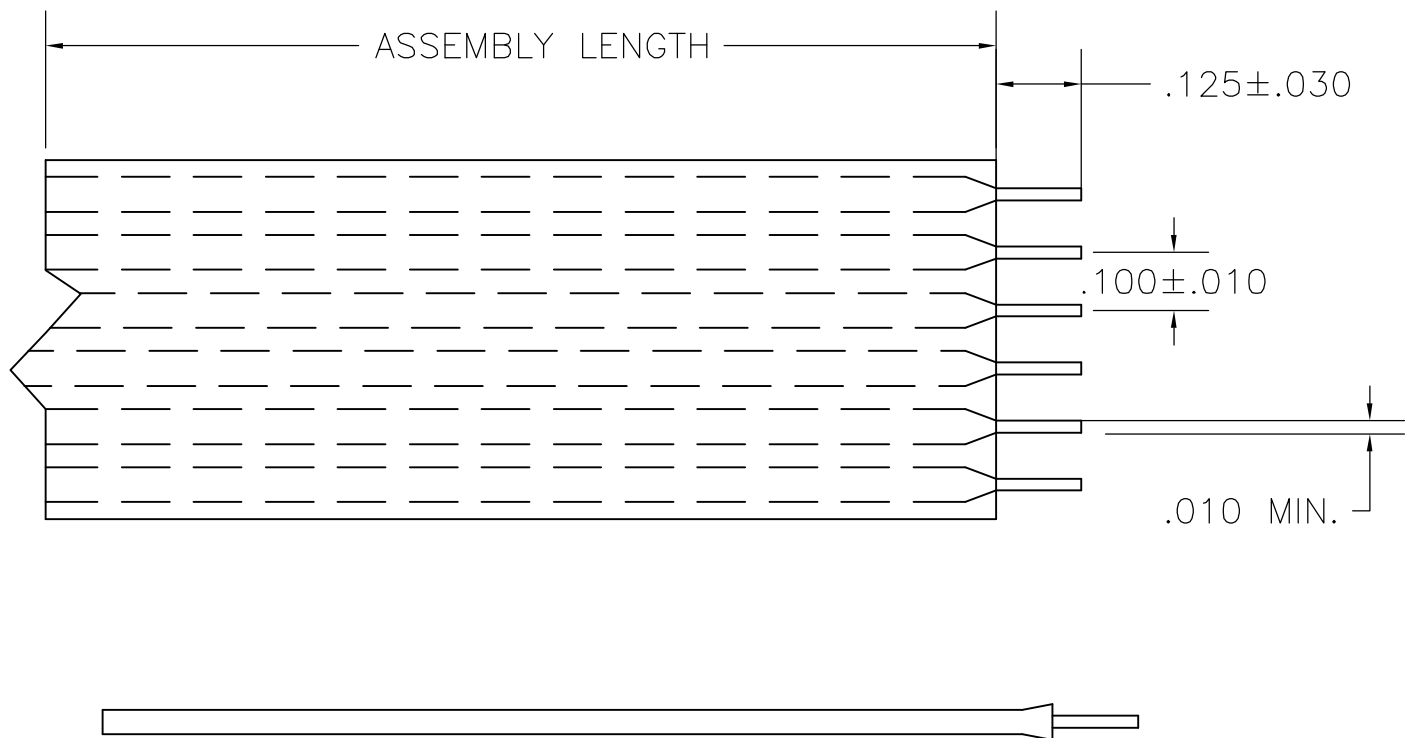
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



FLEXPAC CABLE SPECIFICATIONS
CONDUCTOR SIZE [ROLLED OFC]: .076mm[.003]X 1.57mm[.062]
PITCH: 2.54mm [.100]
MATERIAL: BARE COPPER PER QQ-C-502
CABLE DIMENSIONS: .356mm[.014] THICK [NOMINAL]
INSULATION: POLYESTER
UL STYLE NUMBER: 2639
VOLTAGE RATING: 300 VOLT
TEMPERATURE RATING: 105°C
CURRENT RATING: 3 AMPS
CAPACITANCE: 12.6 Pf/ft
RESISTANCE: 43 OHMS/1000 ft
IMPEDANCE: 110Ω

FLEXPAC SOLDER PIN SPECIFICATIONS
CONTACT MATERIAL: PHOSPHOR BRONZE
CONTACT PLATING: MATTE TIN
CURRENT RATING: 3 AMPS
CONDUCTOR OR CIRCUIT SIZE: .076mm [.003]/.127mm[.005] THICK
x 1.499mm[.059]/1.65mm [.065] WIDE

NOTE: APPLIES TO FLEXPAC & FLEXSTRIP
ASSEMBLY LENGTH TO BE END OF INSULATION TO END OF INSULATION OR
MATING FACE OF CONNECTOR,
OR MATING FACE TO MATING FACE.

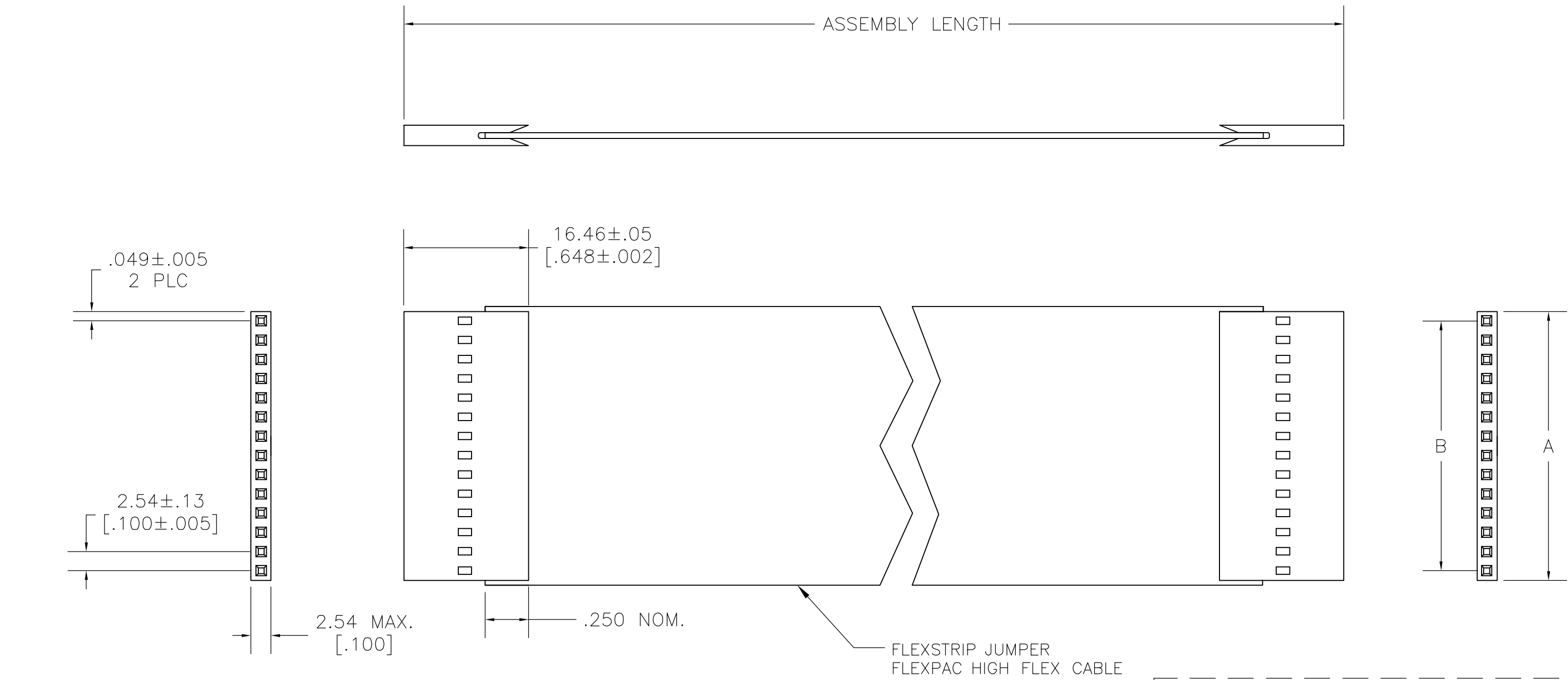


FLEXSTRIP JUMPER SPECIFICATIONS
CONDUCTOR: BARE COPPER,TIN PLATED
VOLTAGE RATING: 300 VAC
TEMPERATURE RATING: 105°C POLYESTER/125°C NOMEX
150°C KAPTON & TEFLON
CURRENT RATING: 3 AMPS
RESISTANCE: 65 OHMS/1000 ft
EQUIVALENT WIRE GAUGE: 24 AWG

1. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF
TYCO ELECTRONICS STANDARD 230-702.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN E.C. CLAYBAUGH 18/JAN/02	16/JAN/02		Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES		CHK F.MCCORKEL 05/JUN/02	APVD F.D. McCORKEL 12/MAR/03		NAME FLEXPAC, GENERIC DRAWING	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		RESTRICTED TO		
MATERIAL		WEIGHT		SCALE		
FINISH		CUSTOMER DRAWING		SHEET		
				REV		

LOC	DIST	REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	APVD
		-	-	SEE SHEET 1	-	-

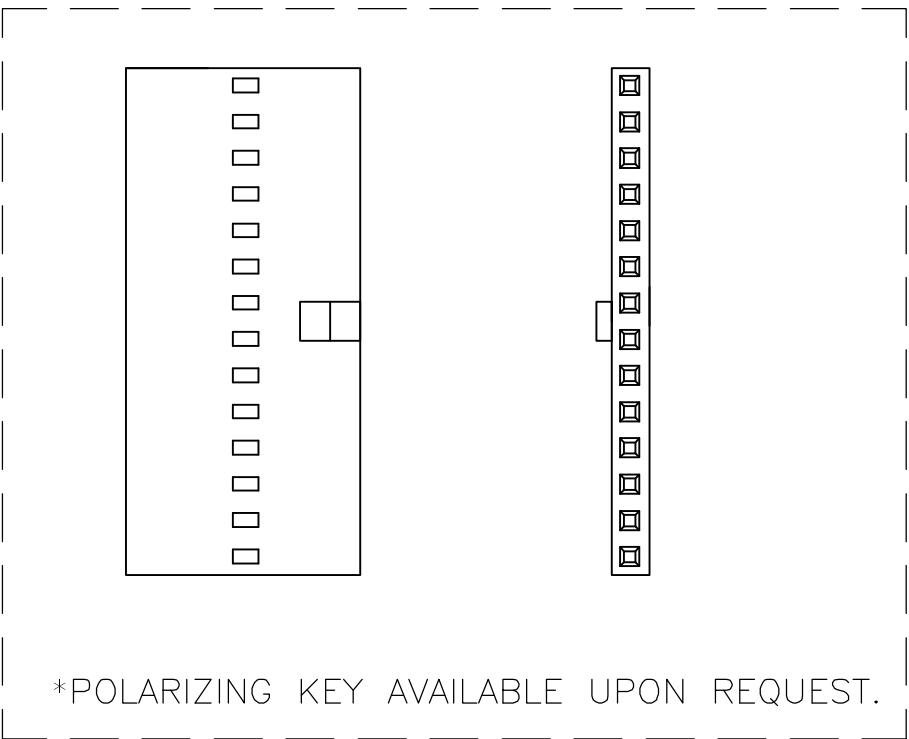


POSN	DIMENSIONS			
	"A"		"B"	
2	5.08	[.200]	2.54	[.100]
3	7.62	[.300]	5.08	[.200]
4	10.16	[.400]	7.62	[.300]
5	12.70	[.500]	10.16	[.400]
6	15.24	[.600]	12.70	[.500]
7	17.78	[.700]	15.24	[.600]
8	20.32	[.800]	17.78	[.700]
9	22.86	[.900]	20.32	[.800]
10	25.40	[1.000]	22.86	[.900]
11	27.94	[1.100]	25.40	[1.00]
12	30.48	[1.200]	27.94	[1.100]
13	33.02	[1.300]	30.48	[1.200]
14	35.56	[1.400]	33.02	[1.300]
15	38.10	[1.500]	35.56	[1.400]
16	40.64	[1.600]	38.10	[1.500]
17	43.18	[1.700]	40.64	[1.600]
18	45.72	[1.800]	43.18	[1.700]
19	48.26	[1.900]	45.72	[1.800]
20	50.80	[2.000]	48.26	[1.900]
21	53.34	[2.100]	50.80	[2.000]
22	55.88	[2.200]	53.34	[2.100]
23	58.42	[2.300]	55.88	[2.200]
24	60.96	[2.400]	58.42	[2.300]
25	63.50	[2.500]	60.96	[2.400]
26	66.04	[2.600]	63.50	[2.500]
27	68.58	[2.700]	66.04	[2.600]
28	71.12	[2.800]	68.58	[2.700]
29	73.66	[2.900]	71.12	[2.800]
30	76.20	[3.000]	73.66	[2.900]
31	78.74	[3.100]	76.20	[3.000]
32	81.28	[3.200]	78.34	[3.100]

ASSEMBLY LENGTH TOLERANCE			
23" AND BELOW	±.10"		
24"–60"	±.25"		
OVER 60"	±.50"		

FLEXPAC FEMALE SOCKET SPECIFICATIONS
STR., SINGLE ROW, .100" CENTER SPACING

CONTACT MATERIAL	COPPER ALLOY CDA 725
CONTACT (GOLD) PLATING	.000050" THICK GOLD OVER NICKEL IN CONTACT ENGAGEMENT AREA
CONTACT (TIN) PLATING	.000100–.000200 MATTE TIN OVER .000050 MIN. NICKEL
CURRENT RATING	3 AMPS
HOUSING	SINGLE ROW: UP TO 32 CONTACTS GLASS FILLED POLYESTER 94V-0 RATED
POLARIZING PIN	PART NO. 609-0000 INSERTION DEPTH 6.35mm [.250] TO 7.37mm [.290]
INSERTION FORCE	5.14 OZ. PER CONTACT
WITHDRAWAL FORCE	4.30 OZ. PER CONTACT
INSERTION DEPTH	MIN .20 – MAX .35 INCHES



- ASSEMBLY LENGTH TO BE, END OF INSULATION TO END OF INSULATION OR MATING FACE OF CONNECTOR, OR MATING FACE TO MATING FACE.
- PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD 230-702.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH -

DWN
E.C. CLAYBAUGH
CHK
F.MCCORKEL
APVD
F.D. MCCORKEL
PRODUCT SPEC
APPLICATION SPEC
WEIGHT
-

18/JAN/02
05/JUN/02
12/MAR/03

tyco
Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
FLEXPAC, GENERIC DRAWING

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1474505

RESTRICTED TO
-

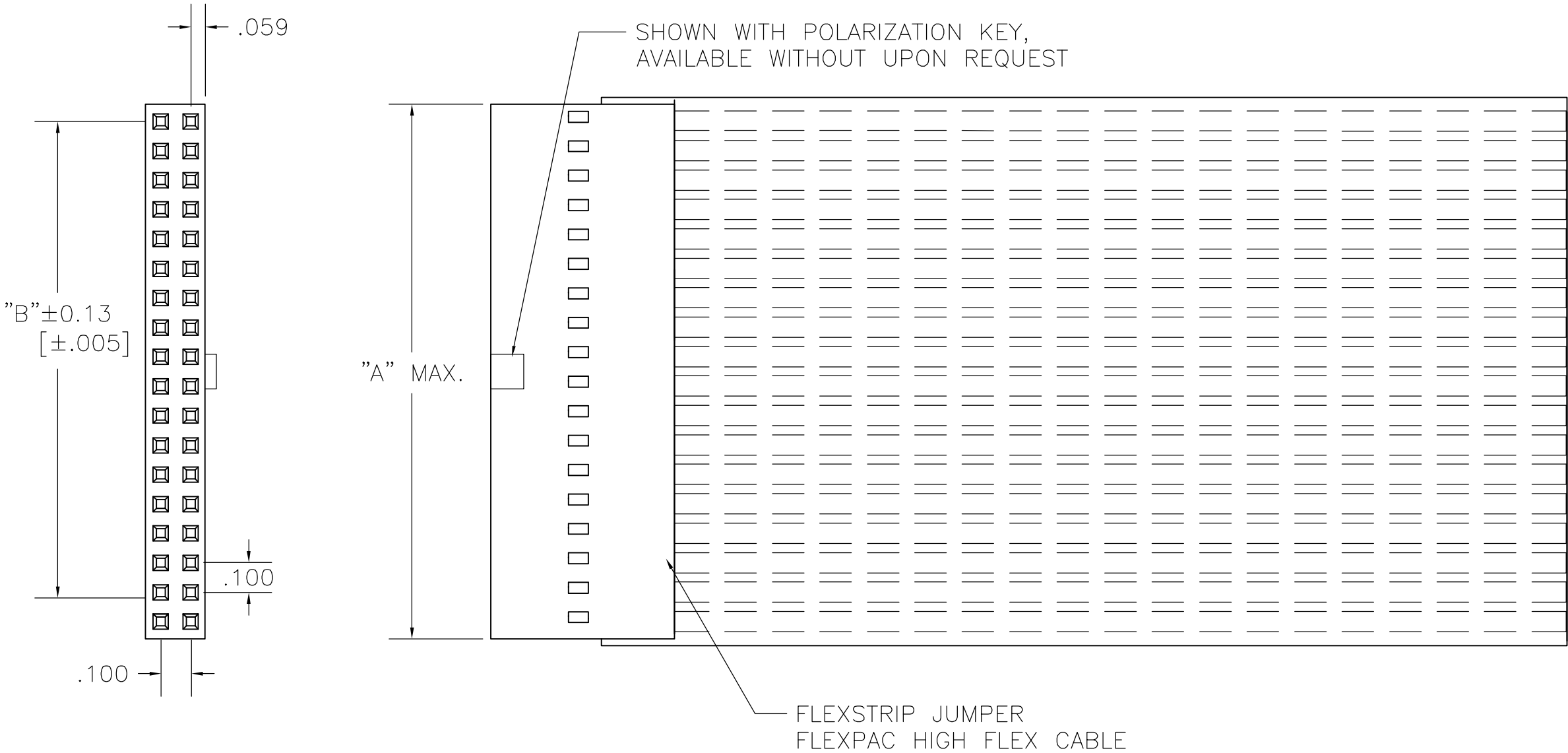
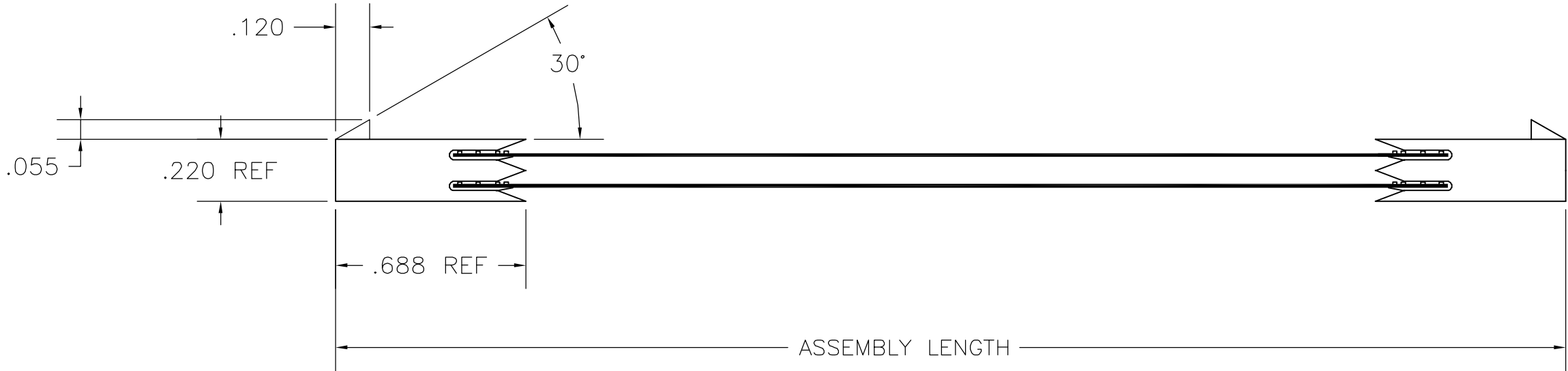
CUSTOMER DRAWING

SCALE
N.T.S.

SHEET
3 of 7

REV
D

LOC	DIST	REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1		



POSN	DIMENSIONS	
	"A"	"B"
4	5.08 [.200]	2.54 [.100]
6	7.62 [.300]	5.08 [.200]
8	10.16 [.400]	7.62 [.300]
10	12.70 [.500]	10.16 [.400]
12	15.24 [.600]	12.70 [.500]
14	17.78 [.700]	15.24 [.600]
16	20.32 [.800]	17.78 [.700]
18	22.86 [.900]	20.32 [.800]
20	25.04 [1.000]	22.86 [.900]
22	27.94 [1.100]	25.40 [1.00]
24	30.48 [1.200]	27.94 [1.100]
26	33.02 [1.300]	30.48 [1.200]
28	35.56 [1.400]	33.02 [1.300]
30	38.10 [1.500]	35.56 [1.400]
32	40.64 [1.600]	38.10 [1.500]
34	43.18 [1.700]	40.64 [1.600]
36	45.72 [1.800]	43.18 [1.700]
38	48.26 [1.900]	45.72 [1.800]
40	50.80 [2.000]	48.26 [1.900]
42	53.34 [2.100]	50.80 [2.000]
44	55.88 [2.200]	53.34 [2.100]
46	58.42 [2.300]	55.88 [2.200]
48	60.96 [2.400]	58.42 [2.300]
50	63.50 [2.500]	60.96 [2.400]
52	66.04 [2.600]	63.50 [2.500]
54	68.58 [2.700]	66.04 [2.600]
56	73.66 [2.800]	68.58 [2.700]
58	73.66 [2.900]	71.12 [2.800]
60	76.20 [3.000]	73.66 [2.900]
62	78.74 [3.100]	76.20 [3.000]
64	81.28 [3.200]	78.34 [3.100]

ASSEMBLY LENGTH TOLERANCE
23" AND BELOW ±.10"
24"–60" ±.25"
OVER 60" ±.50"

FLEXPAC FEMALE SOCKET SPECIFICATIONS
STR., 2 ROW, .100" CENTER SPACING

CONTACT MATERIAL	COPPER ALLOY CDA 725
CONTACT (GOLD) PLATING	.000050" THICK GOLD OVER NICKEL IN CONTACT ENGAGEMENT AREA
CONTACT (TIN) PLATING	.000100–.000200 MATTE TIN OVER .000050 MIN. NICKEL
CURRENT RATING	3 AMPS
HOUSING	DOUBLE ROW: UP TO 64 CONTACTS GLASS FILLED POLYESTER 94V–0 RATED
POLARIZING PIN	PART NO. 609–0000 INSERTION DEPTH 6.35mm [.250] TO 7.37mm [.290]
INSERTION FORCE	5.14 OZ. PER CONTACT
WITHDRAWAL FORCE	4.30 OZ. PER CONTACT
INSERTION DEPTH	MIN .20 – MAX .35 INCHES

1. ASSEMBLY LENGTH TO BE, END OF INSULATION TO END OF INSULATION OR MATING FACE OF CONNECTOR, OR MATING FACE TO MATING FACE.
2. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD 230–702.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH -

DWN
E.C. CLAYBAUGH
CHK
F.MCCORKEL
APVD
F.D. MCCORKEL
PRODUCT SPEC
APPLICATION SPEC
WEIGHT
-

18/JAN/02
05/JUN/02
12/MAR/03

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105–3608

NAME
FLEXPAC, GENERIC DRAWING

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1474505

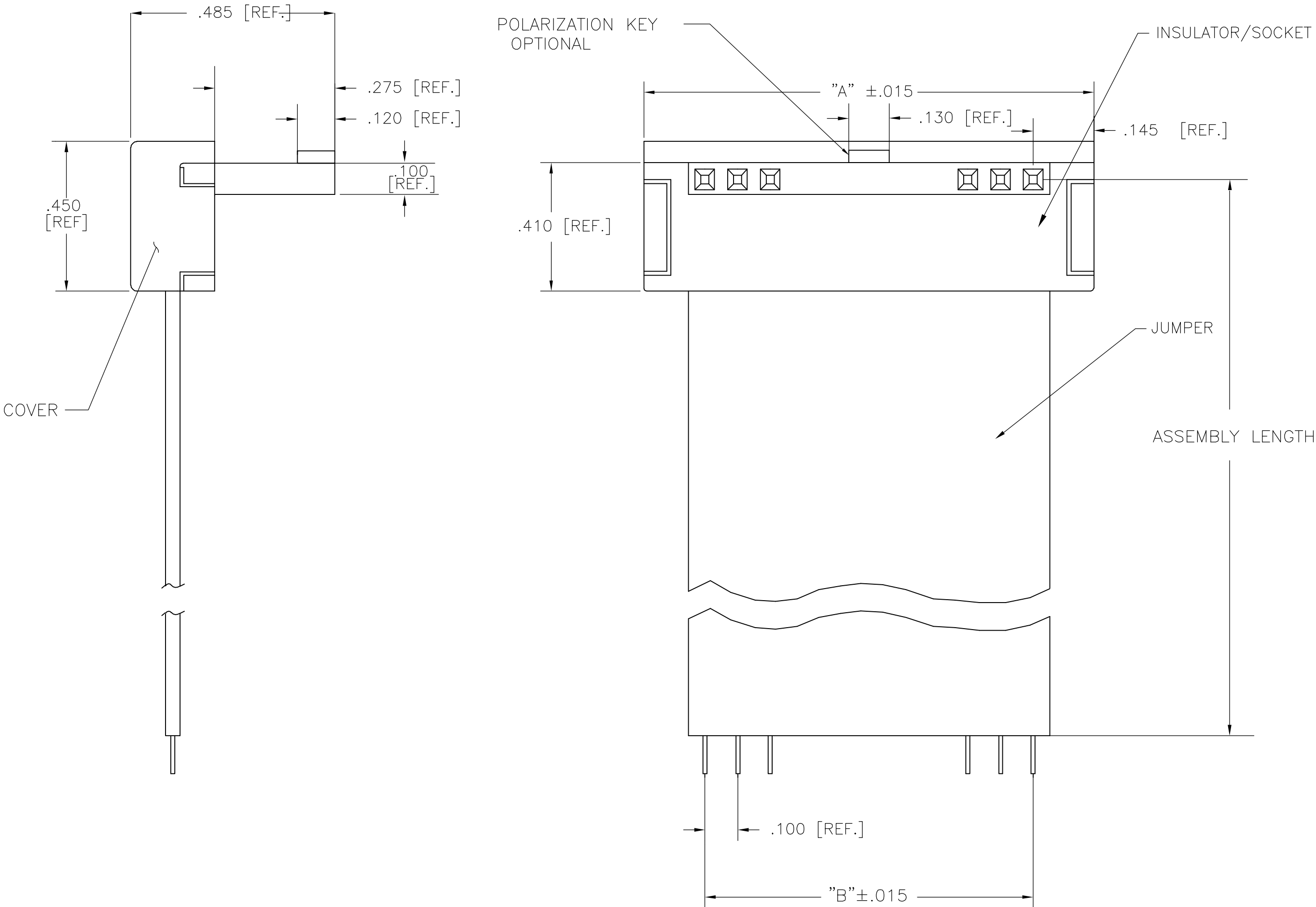
RESTRICTED TO
-

SCALE
N.T.S.

SHEET
4 of 7

REV
D

AMP 3307–7 REV 31MAR2000



POSN	DIMENSIONS	
	"A"	"B"
2	9.1 [.390]	2.54 [.100]
3	12.45 [.490]	5.08 [.200]
4	14.99 [.590]	7.62 [3.00]
5	17.53 [.690]	10.16 [.400]
6	20.07 [.790]	12.70 [.500]
7	22.61 [.890]	15.24 [.600]
8	25.15 [.990]	17.78 [.700]
9	27.69 [1.090]	20.32 [.800]
10	30.23 [1.190]	22.86 [.900]
11	32.77 [1.290]	25.40 [1.00]
12	35.31 [1.390]	27.94 [1.100]
13	37.85 [1.490]	30.48 [1.200]
14	40.39 [1.590]	33.02 [1.300]
15	42.91 [1.690]	35.56 [1.400]
16	45.47 [1.790]	38.10 [1.500]
17	48.01 [1.890]	40.64 [1.600]
18	50.55 [1.990]	43.18 [1.700]
19	53.09 [2.090]	45.72 [1.800]
20	55.63 [2.190]	48.26 [1.900]
21	58.17 [2.290]	50.80 [2.000]
22	60.71 [2.390]	53.34 [2.100]
23	63.25 [2.490]	55.88 [2.200]
24	65.79 [2.590]	58.42 [2.300]
25	68.33 [2.690]	60.96 [2.400]
26	70.87 [2.790]	63.50 [2.500]
27	73.41 [2.890]	66.04 [2.600]
28	75.95 [2.990]	68.58 [2.700]
29	78.49 [3.090]	71.12 [2.800]
30	81.03 [3.190]	73.66 [2.900]
31	83.57 [3.290]	76.20 [3.000]
32	86.11 [3.390]	78.34 [3.100]

UNLESS OTHER WISE SPECIFIED, THE RIGHT ANGLE SOCKET FACES DOWN IN AN ASSEMBLY.

ASSEMBLY LENGTH TOLERANCE		
23" AND BELOW	±.10"	
24"—60"	±.25"	
OVER 60"	±.50"	

FLEXPAC FEMALE SOCKET SPECIFICATIONS

CONTACT MATERIAL	COPPER ALLOY CDA 725
CONTACT (GOLD) PLATING	.000050" THICK GOLD OVER NICKEL IN CONTACT ENGAGEMENT AREA
CONTACT (TIN) PLATING	.000100—.000200 MATTE TIN OVER .000050 MIN. NICKEL
CURRENT RATING	3 AMPS
HOUSING 1	SINGLE ROW: UP TO 32 CONTACTS GLASS FILLED POLYESTER 94V-0 RATED
POLARIZING PIN	PART NO. 609-0000 INSERTION DEPTH 6.35mm [.250] TO 7.37mm [.290]
INSERTION FORCE	5.14 OZ. PER CONTACT
WITHDRAWAL FORCE	4.30 OZ. PER CONTACT
INSERTION DEPTH	MIN .20 — MAX .35 INCHES

- 1

REF: 1364838 [NON POLARIZED]
1364839 [COVER]
1364840 [POLARIZED]

2. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD 230-702.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	-
3 PLC	±	-
4 PLC	±	-
ANGLES	±	-
FINISH	-	-

DWN
E.C. CLAYBAUGH
CHK
F.MCCORKEL
APVD
F.D. McCORKEL
PRODUCT SPEC

18/JAN/02
05/JUN/02
12/MAR/03

—
APPLICATION SPEC
—
WEIGHT
—
CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
FLEXPAC, GENERIC DRAWING

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1474505

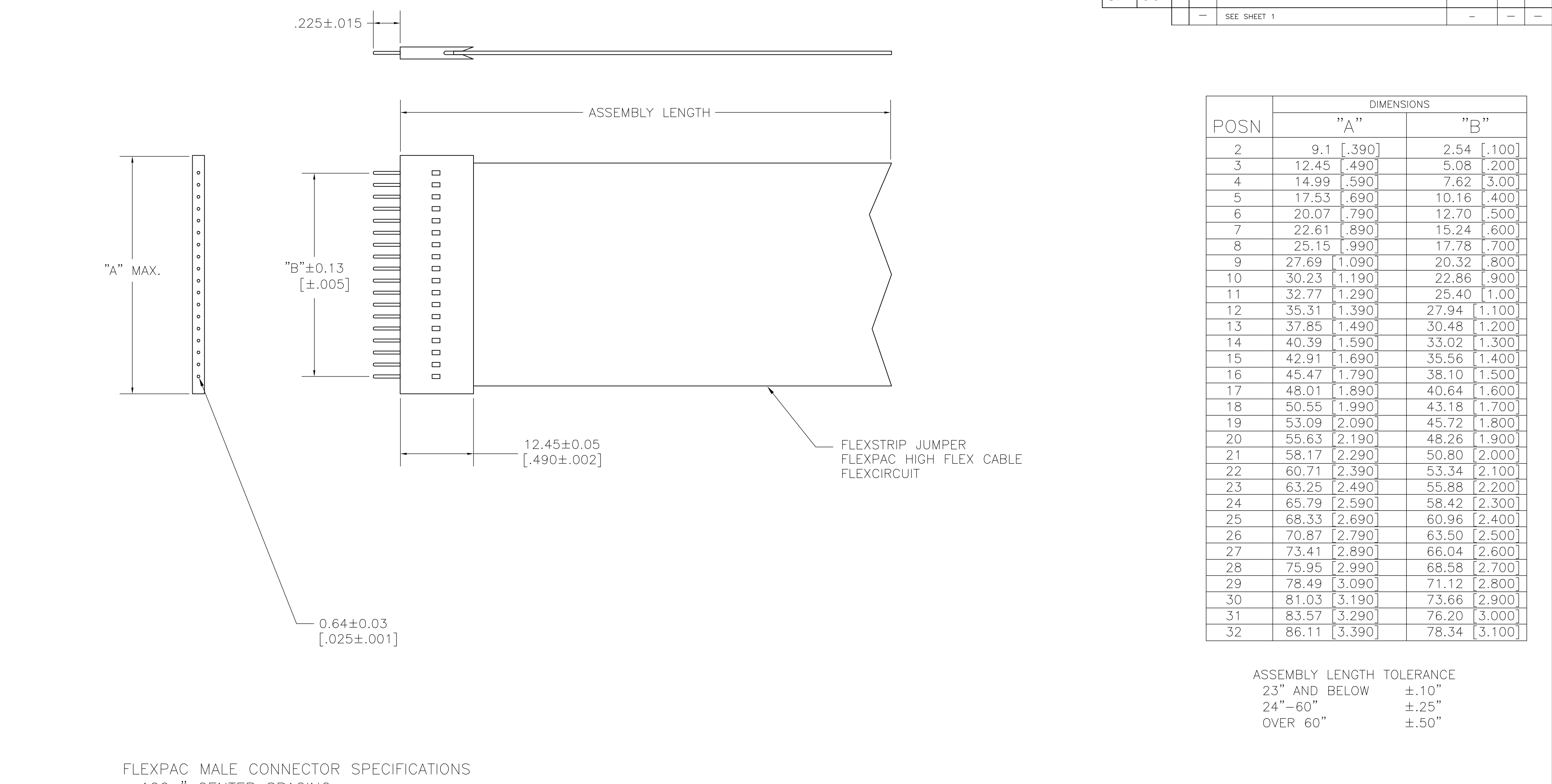
RESTRICTED TO
—

SCALE
N.T.S.

SHEET
5 of 7

REV
D

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION © COPYRIGHT BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.	LOC GP	DIST 00	REVISIONS						
				P	LTR	DESCRIPTION	DATE	DWN	APVD
					—	SEE SHEET 1	—	—	—



FLEXPAC MALE CONNECTOR SPECIFICATIONS .100 " CENTER SPACING		1. ASSEMBLY LENGTH TO BE, END OF INSULATION TO END OF INSULATION OR MATING FACE OF CONNECTOR, OR MATING FACE TO MATING FACE.	
CONTACT MATERIAL	COPPER ALLOY CDA 725	2. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD 230-702.	
CONTACT (GOLD) PLATING	.000050" THICK GOLD OVER NICKEL IN CONTACT ENGAGEMENT AREA		
CONTACT (TIN) PLATING	.000100 — .00200 MATTE TIN OVER .00050 MIN. NICKEL		
CURRENT RATING	3 AMPS		
HOUSING	GLASS FILLED POLYESTER 94V-0 RATED SINGLE ROW: UP TO 32 CONTACTS		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN E.C. CLAYBAUGH 18/JAN/02	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608	
		CHK F.MCCORKEL 05/JUN/02		
DIMENSIONS: INCHES		APVD F.D. McCORKEL 12/MAR/03	NAME FLEXPAC, GENERIC DRAWING	
		PRODUCT SPEC	—	
		APPLICATION SPEC	—	
MATERIAL —		WEIGHT —	SIZE A2	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO C=1474505	RESTRICTED TO —
			SCALE N.T.S.	SHEET 6 of 7
				REV D

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

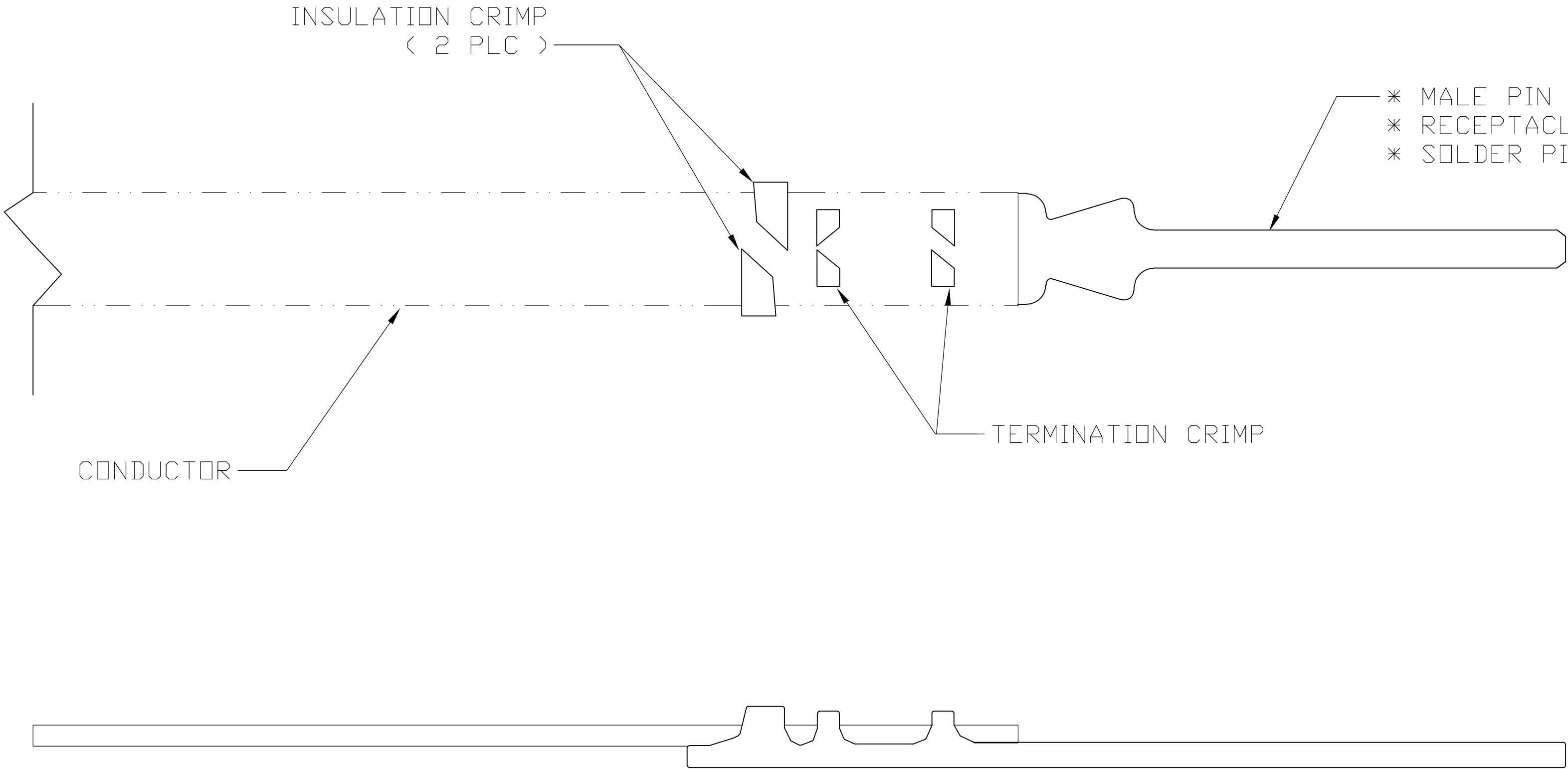
LOC	DIST	REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	DWN
			—	SEE SHEET 1	—	—

D

C

B

A



- NOTE:
1. ALL TERMINATION CRIMP TINS SHALL MAKE CONTACT WITH THE CONDUCTOR.
 2. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TYCO ELECTRONICS STANDARD 230-702.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN E.C. CLAYBAUGH 18/JAN/02	tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS: INCHES		CHK F.MCCORKEL 05/JUN/02				
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME F.D. McCORKEL 12/MAR/03			
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC			
	FINISH		APPLICATION SPEC			
MATERIAL		WEIGHT	—	SIZE A2	CAGE CODE 00779	DRAWING NO C=1474505
		CUSTOMER DRAWING			SCALE N.T.S.	SHEET 7 of 7
					REV D	