



**THE DATASHEET OF**  
**61083-083402LF**



61083- AA B C D E G W V FF

AA	NO. OF POSITIONS
02	2X10
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

NOTE 10

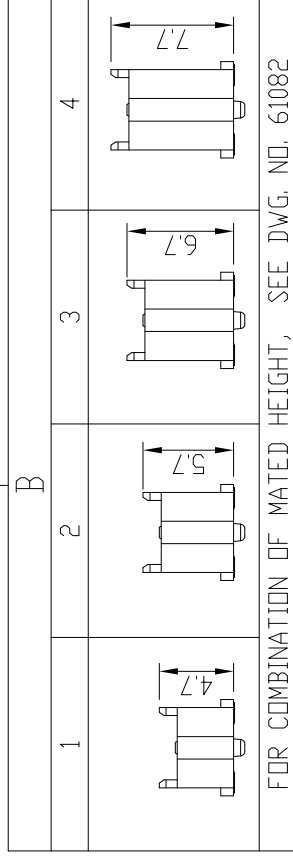
G	DATE CODE
/	STANDARD, NOT PRINT D/C
P	PRINT DATE CODE

W	TRANSPORT CODE
/	NOT MANDATORY
W	FOR OCEAN SHIPPING

E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP
6	T&R WITH KAPTON TAPE
7	T&R WITH PLASTIC CAP
Q	T&R WITHOUTL CAP

NOTE 10  
NOTE 10  
NOTE 11  
NOTE 10

D	PEG
0	YES
2	NO



NOTE:

- MATERIAL:  
HOUSING: G.F. LCP, NATURAL, UL94-V0  
TERMINAL: BRASS
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- PACKAGING OPTION 2: NOT ALL SIZES ARE AVAILABLE. CHECK WITH FACTORY.
- THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION " 1".  
HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 PDS, ALL HEIGHTS.  
PLS REFER TO PRINT 10069525.
- THE P/N 61083-\*\*\*\*\* OR 61083-\*\*\*\*\*LF NOT PRINT DATE CODE.  
THE P/N 61083-\*\*\*\*\*P OR 61083-\*\*\*\*\*PLF NEED PRINT DATE CODE.
- POSITION 2X10 TYPE ONLY APPLY TO PLUG 1 AND PLUG 3.  
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
- KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.

C	
0	GOLD 0.2 $\mu$ m MIN. ON CONTACT AREA NICKEL UNDERPLATE OVERALL 1.27
1	GOLD FLASH (0.065 $\mu$ m MIN) OVER P AREA ; TIN LEAD 2.5 $\mu$ m MIN ON NICKEL UNDERPLATE OVERALL 1.27
4	GOLD 0.2 $\mu$ m MIN ON CONTACT AR TAIL; NICKEL UNDERPLATE OVERA
5	GOLD 0.38 $\mu$ m MIN ON CONTACT A TAIL; NICKEL UNDERPLATE OVERA
6	GOLD FLASH (0.065 $\mu$ m MIN) OVER P AREA ; PURE MATT TIN 2.5 $\mu$ m MI NICKEL UNDERPLATE OVERALL 1.27
7	GOLD 0.76 $\mu$ m MIN ON CONTACT A TAIL; NICKEL UNDERPLATE OVERA
9	GOLD 0.2 $\mu$ m MIN ON CONTACT AR NICKEL UNDERPLATE OVERALL 1.27

mat'l. code	surface	ISO 1302
ltr	ecn no	dr
AP	ELX-N-33922	Bob
		date
		2019-07-05
		tolerances un
		angles
		linear
AJ	ELX-N-25201	Bob
		2016-12-29
		0 $\pm$ 3"
AK	ELX-N-26185	Bob
		2017-02-17
		dr
		GuoMin
AL	ELX-N-26381	Bob
		2017-03-17
		engr
AM	ELX-N-30296	Bob
		2018-05-28
		chr
		LQ
		Le
AN	ELX-N-30741	Bob
		2018-11-22
		opppd
		Tim Y
sheet	revision	AL
		AM
		AN
		AP
index	sheet	1~6
		1~6
		1

4 PDS: Rev

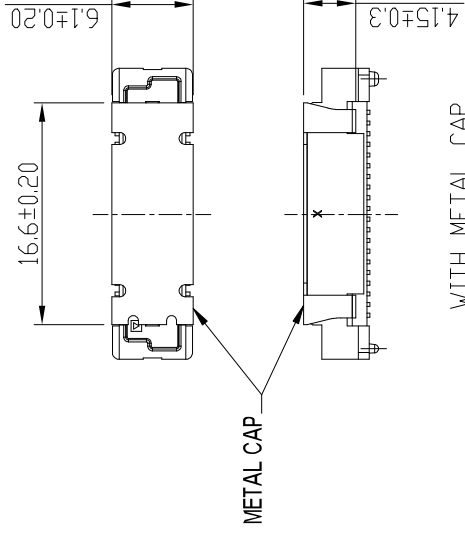
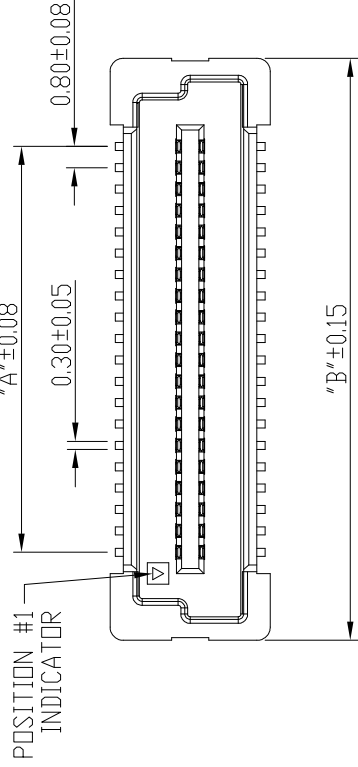
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2

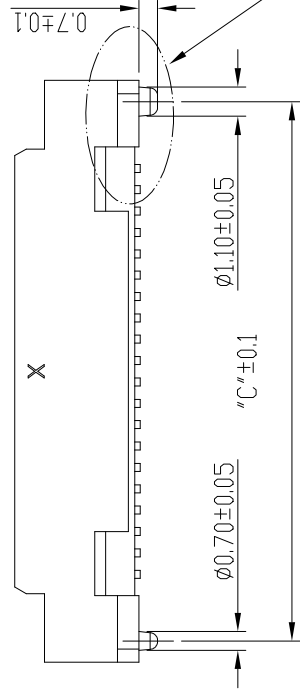
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form: A3--2016-02--24

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2	69.8	68.2
61083-181***	2X90	71.2	77.8	76.2
61083-201***	2X100	79.2	85.8	84.2



WITH METAL CAP



mat'l. code		ISO 1302	
ltr	ecn no	dr	date
AP			
tolerances un		linear	
angles		0°±3°	
dr		GuoMin	
engr		Bob C	
chr		LQ Ls	
appd		Tim Y.	
sheet index	revision AP	sheet	1

form: A3-2016-02-24

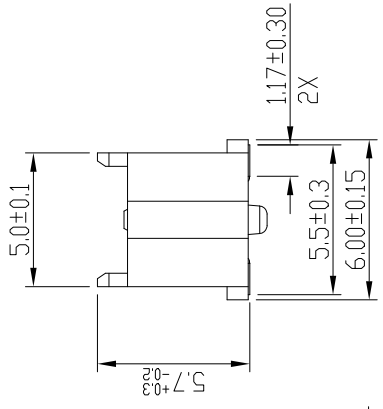
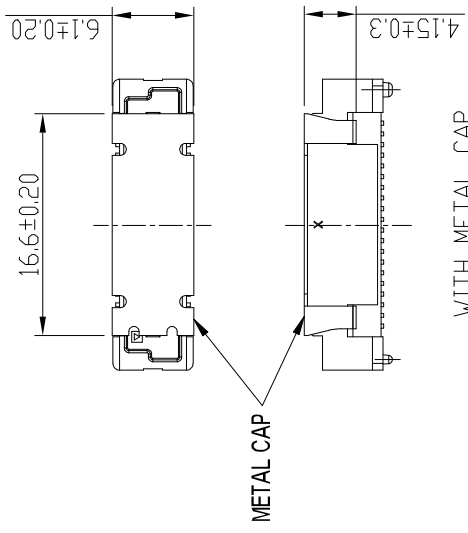
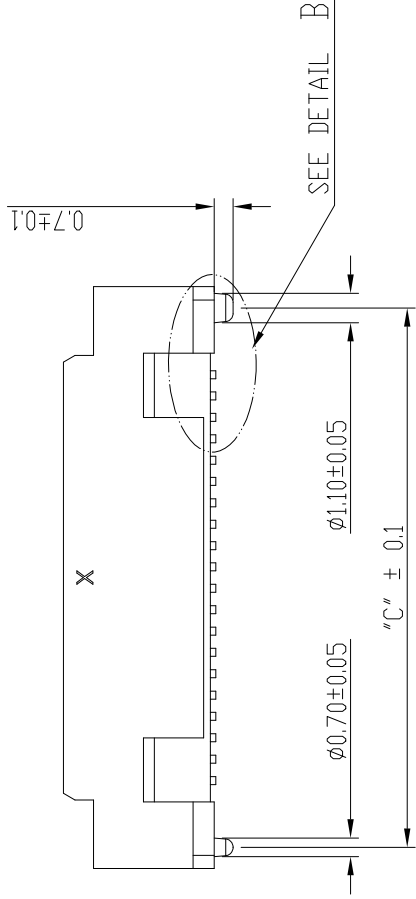
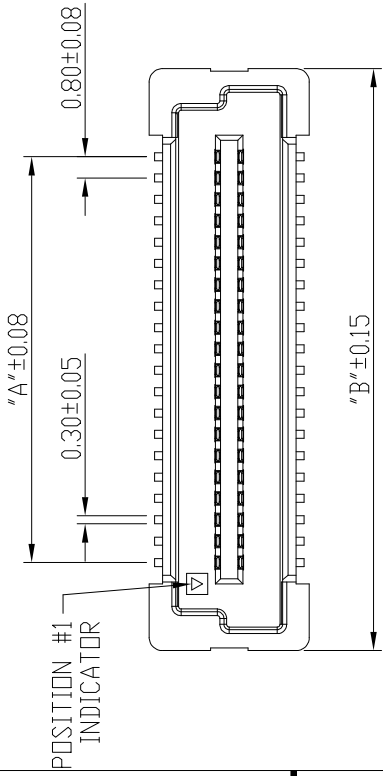
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2

3

4 **PDS: Rev**

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2	77.8	76.2
61083-202***	2X100	79.2	85.8	84.2



mat'l. code		surface	
ltr	ecn no dr	ISO 1302	✓
AP	date	tolerances un	
		angles	linear
		0° ± 3°	
		dr	GuoMin
		engr	Bob C
		chr	LQ Lc
		appd	Tim Y
sheet index	revision AP	sheet	1

form: A3-2016-02-24

1

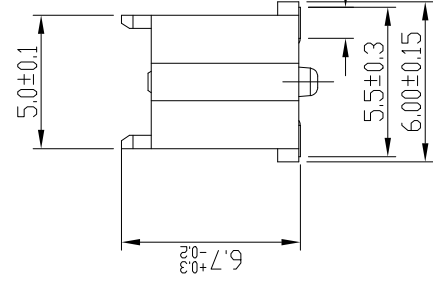
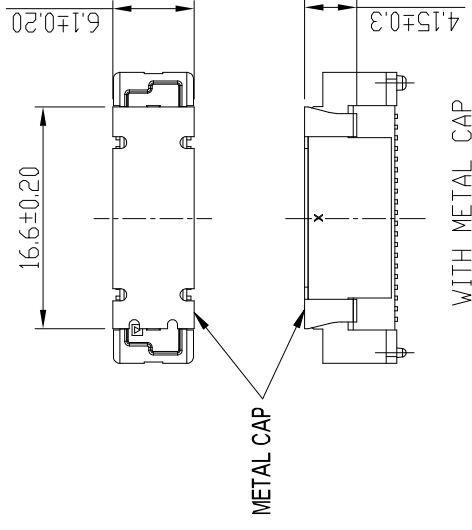
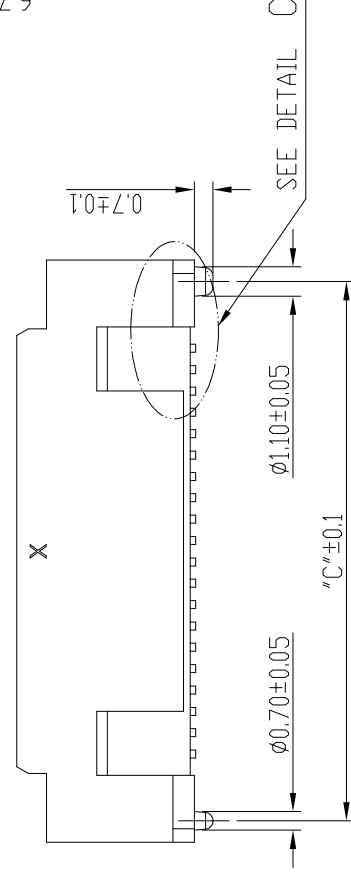
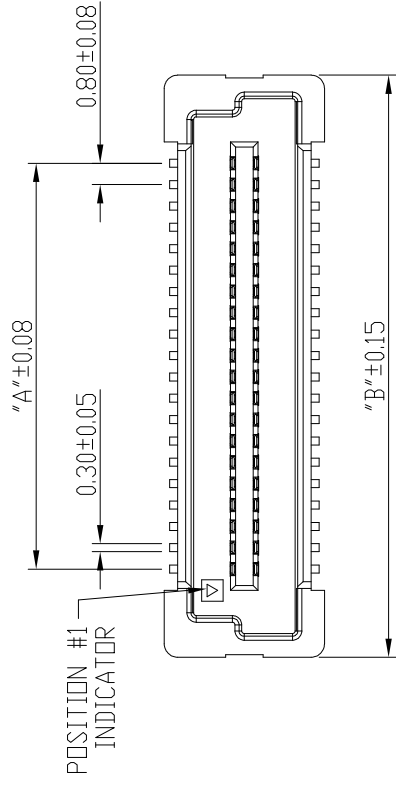
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3

4

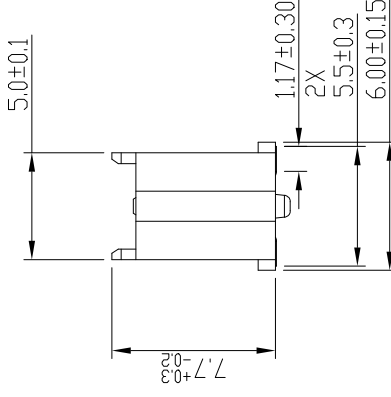
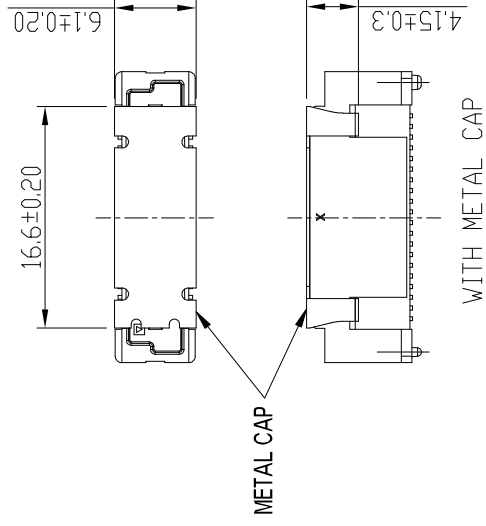
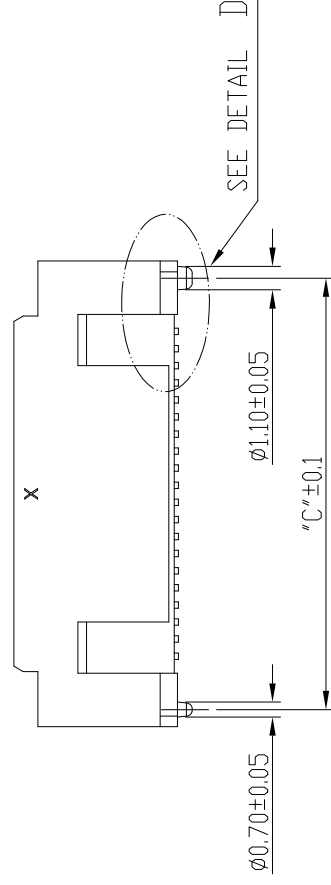
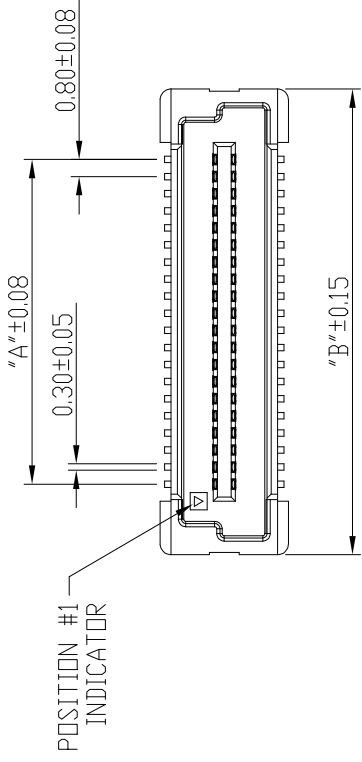
PDS: Rev

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-023***	2X10	7.2	13.8	12.2
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	2X80	63.2	69.8	68.2
61083-183***	2X90	71.2	77.8	76.2
61083-203***	2X100	79.2	85.8	84.2



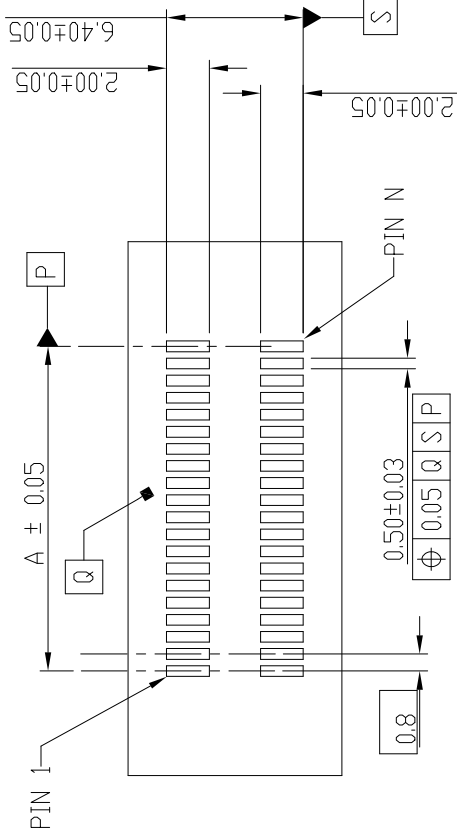
mat'l. code		ISO 1302	
ltr	ecn no dr	date	tolerances un
AP			angles linear
			0°±3°
			dr
			GuoMin
			engr
			Bob C
			chr
			LQ Lc
			appd
			Tim Y
sheet index	revision AP	sheet	1

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-044***	2X20	15.2	21.8	20.2
61083-064***	2X30	23.2	29.8	28.2
61083-084***	2X40	31.2	37.8	36.2
61083-104***	2X50	39.2	45.8	44.2
61083-124***	2X60	47.2	53.8	52.2
61083-144***	2X70	55.2	61.8	60.2
61083-164***	2X80	63.2	69.8	68.2
61083-184***	2X90	71.2	77.8	76.2
61083-204***	2X100	79.2	85.8	84.2

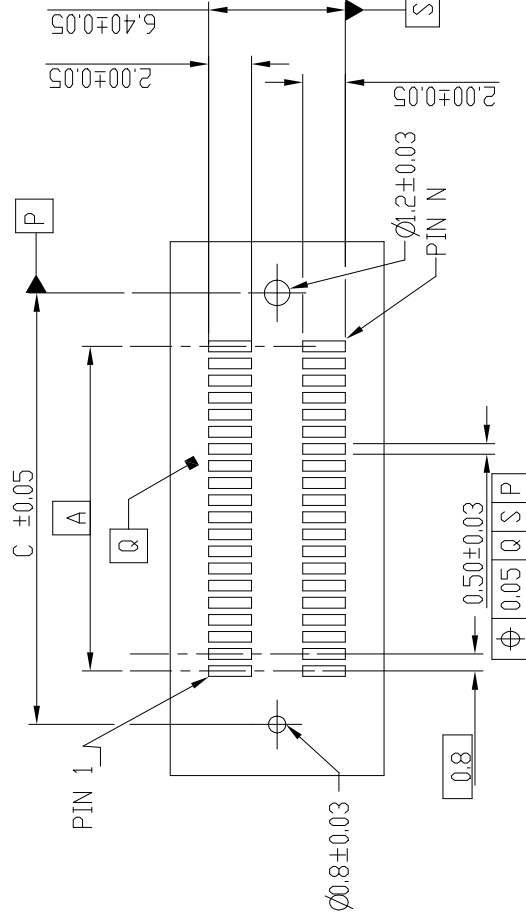


mat'l. code		ISO 1302	surface
ltr	ecn no	dr	date
AP			
tolerances un		linear	angles
0°±3°		dr	GuoMin
engr		chr	Bob C
appd		Tim Y	
sheet index	revision AP	sheet	1

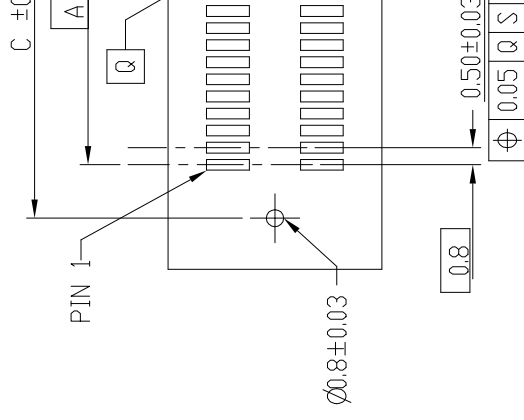
FOR PLUG 1/2/3/4



RECOMMENDED PCB LAYOUT WITHOUT PEG FOR  
 ND. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



RECOMMENDED PCB LAYOUT WITH PEG FOR  
 ND. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60





RECOMMENDED PCB LAYOUT  
 ND. OF POS 2X70, 2X80

mat'l. code		surface	ISO 1302	tolerances un
ltr	ecn no	dr	date	angles
AP				linear
				0°±3°
		dr	GuoMin	
		engr	Bob C	
		chr	LQ Lc	
		appd	Tim Y.	
sheet	revision	AP		
index	sheet	1		

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-  [Amphenol FCI Information](#)

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-  Shortage Management
-  Alternative Solution
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