REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
E		PROPOSAL	APR16/10	Z.L.
F		NEW OPTION ADDED	JUN16/11	Z.L.

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AMPHENOL PART NUMBER CONFIGURATION:

U65 – X XX – X X 1 XXXX

INFINITY
RECEPTACLE

STYLE
B = R/A SMT, 2 LOCATION AND 2 SOLDERING POSTS
E = R/A SMT, 2 LOCATION AND 2 SCREW MOUNT HOLES

CONNECTOR TYPE
04 = 4X
12 = 12X

PLATING
1 = 50µ" GOLD
2 = 30µ" GOLD
3 = GOLD FLASH OVER PALLADIUM–NICKEL (LEAD FREE)
4 = 50µ" GOLD (RoHS COMPLIANT)
5 = 30µ" GOLD (RoHS COMPLIANT)
B = 50µ" GOLD (RoHS COMPLIANT)
C = 30µ" GOLD (RoHS COMPLIANT)

OPTION
0 = 2 PIECE LOCKING PLATE (SHIPPED LOOSE)
1 = ONE PIECE LOCKING PLATE (SHIPPED LOOSE)
2 = NO LOCKING PLATE
3 = NO LOCKING PLATE AND NO GASKET

MOUNTING STYLE
LANYARD LATCH

KEYING OPTION
0 = NO KEYING (STD)
1 = KEYING 1 & 6
2 = KEYING 2 & 6
3 = KEYING 3 & 5
4 = KEYING 4 & 5

PACKAGING/SPECIAL
(NOTE: ALL "M" OPTIONS ARE FOR STYLE E WITH .062" TO .093" THICK PCB'S ONLY)
NO DIGIT = TRAY PACKAGING NO REAR COVER
C = TRAY PACKAGING WITH REAR COVER (SHIPPED LOOSE)
M = TRAY PACKAGING, NO REAR COVER, M2 SCREWS INCLUDED (SHIPPED LOOSE)
CM = TRAY PACKAGING, W/ REAR COVER, M2 SCREWS INCLUDED (BOTH SHIPPED LOOSE)
T = TAPE & REEL PACKAGING NO REAR COVER
CT = TAPE & REEL PAKAGING W/ REAR COVER (SHIPPED LOOSE)
CAT = TAPE & REEL PAKAGING W/ REAR COVER ASSEMBLED
MT = TAPE & REEL PAKAGING, NO REAR COVER, M2 SCREWS INCLUDED (SHIPPED LOOSE)
CMT = TAPE & REEL PAKAGING, W/ REAR COVER, M2 SCREWS INCLUDED (BOTH SHIPPED LOOSE)

1. MATERIAL:

PLASTIC HOUSING:
HIGH TEMPERATURE POLYMER, FLAMMABILITY RATING UL94V–0.

CONTACTS:
PHOSPHOR BRONZE
PLATING OPTION 1 OR 2 (50µ" OR 30µ" GOLD): 50µ" [1.27 µm] OR 30µ" [0.76 µm] MIN. GOLD OVER 50µ" [1.27 µm] MIN. NICKEL ON CONTACT MATING SURFACES. 150µ" [3.81 µm] MIN. TIN–LEAD (90/10) OVER 50µ" [1.27 µm] NICKEL ON CONTACT TAILS.
PLATING OPTION 3 (GOLD FLASH OVER PALLADIUM–NICKEL): 2µ" [0.05 µm] MIN. GOLD OVER 25µ" [0.635 µm] MIN. PALLADIUM–NICKEL ON CONTACT MATING SURFACES. 0.3µ" [0.007 µm] MIN. GOLD OVER 1.2µ" [0.03 µm] MIN. PALLADIUM–NICKEL ON CONTACT TAILS. 50µ" [1.27 µm] MIN. NICKEL UNDER PLATING.
PLATING OPTION 4 OR 5 (RoHS) (50µ" OR 30µ" GOLD): 50µ" [1.27 µm] OR 30µ" [0.76 µm] MIN. GOLD OVER 50µ" [1.27 µm] MIN. NICKEL ON CONTACT MATING SURFACES. 2µ" [0.05 µm] MIN. GOLD OVER 50µ" [1.27 µm] MIN. NICKEL ON CONTACT TAILS.
PLATING OPTION B OR C (RoHS) (50µ" OR 30µ" GOLD): 50µ" [1.27 µm] OR 30µ" [0.76 µm] MIN. GOLD OVER 50µ" [1.27 µm] MIN. NICKEL ON CONTACT MATING SURFACES. 100–150µ" [2.54–3.81 µm] MATTE TIN OVER 50µ" [1.27 µm] MIN. NICKEL ON CONTACT TAILS.

METAL SHELL: DIE CASTING ALLOY
PLATING: 100µ" [2.54 µm] MIN. NICKEL OVER COPPER UNDER LAYER
GASKET: STAINLESS STEEL
LOCKING PLATE: STAINLESS STEEL
M2 SCREWS: STEEL WITH ZINC PLATING

2. TEMPERATURE RANGE:
–40°C TO +85°C

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DRAWN	M.LONG	DATE 2005/05/16
DESIGNED		
CHECKED	J.SI	2005/05/16
I. E. APPRD.		
Q. A. APPRD.		
DWG. APPRD.		
ENG. REL. NO.		
REF.		
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO. 03554	

Amphenol Canada Corp.

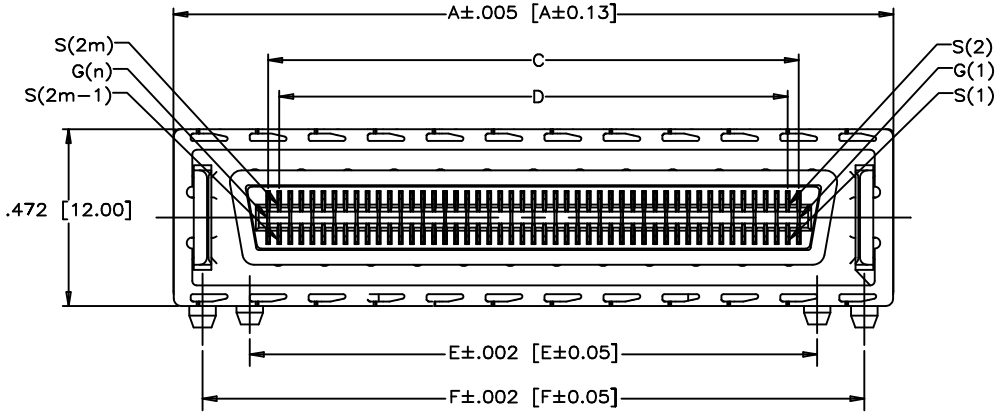
TITLE
INFINITY 4X/12X RECEPTACLE, LANYARD STYLE, FIXED BOARD, RIGHT ANGLE SMT, LOCATING/SOLDERING POSTS

DWG	DRAWING NO.	REV.
A	P–U65–XXX–XX1XXXX	F

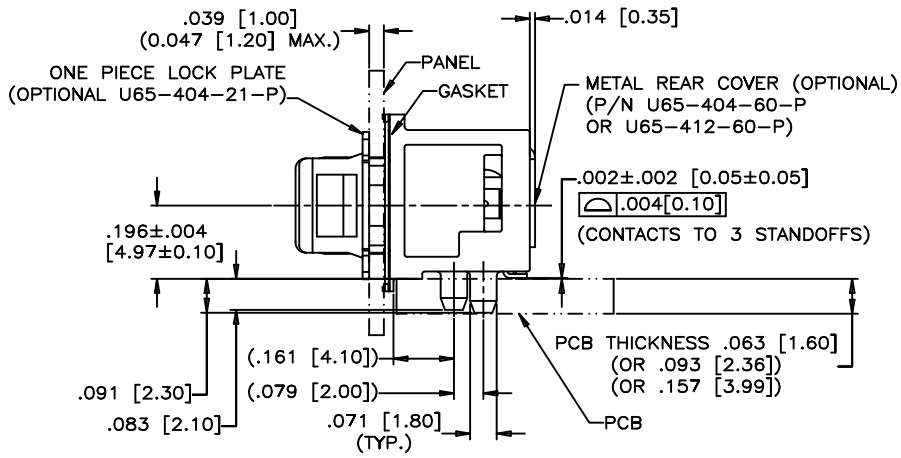
SCALE 2/1 | WT. ——— | SURF. ——— | SHEET 1 OF 4

REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
E		PROPOSAL	APR16/10	Z.L.
F		NEW OPTION ADDED	JUN16/11	Z.L.

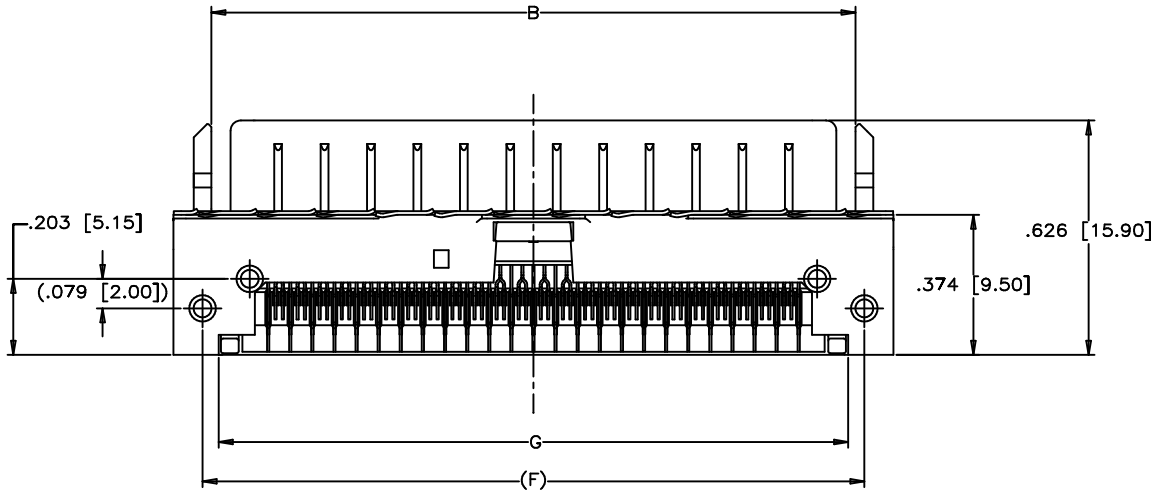
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U65-BXX-XX1XXX
(LOCK PLATE REMOVED)



U65-BXX-XX1XXX



U65-BXX-XX1XXX
(LOCK PLATE REMOVED)

DIMENSION TABLE:

PART NUMBER	U65-X04-XX1XXX	U65-X12-XX1XXX
A	.978 [24.85]	1.923 [48.85]
B	.776 [19.70]	1.720 [43.70]
C	.472 [12.00]	1.417 [36.00]
D	.413 [10.50]	1.358 [34.50]
E	.571 [14.50]	1.516 [38.50]
F	.823 [20.90]	1.768 [44.90]
G	.736 [18.70]	1.681 [42.70]
H	.894 [22.70]	1.839 [46.70]
K	.776 [19.70]	1.720 [43.70]
m	m = 1 - 8	m = 1 - 24
n	n = 1 - 9	n = 1 - 25

** REFER TO [mm] AS PRIMARY DIMENSIONS.

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DRAWN	M.LONG	DATE 2005/05/16
DESIGNED		
CHECKED	J.SI	2005/01/07
I. E. APPRD.		
Q. A. APPRD.		
DWG. APPRD.		
ENG. REL. NO.		
REF.		
DIMENSIONS ARE IN	INCHES [mm]	CODE ID. NO. 03554

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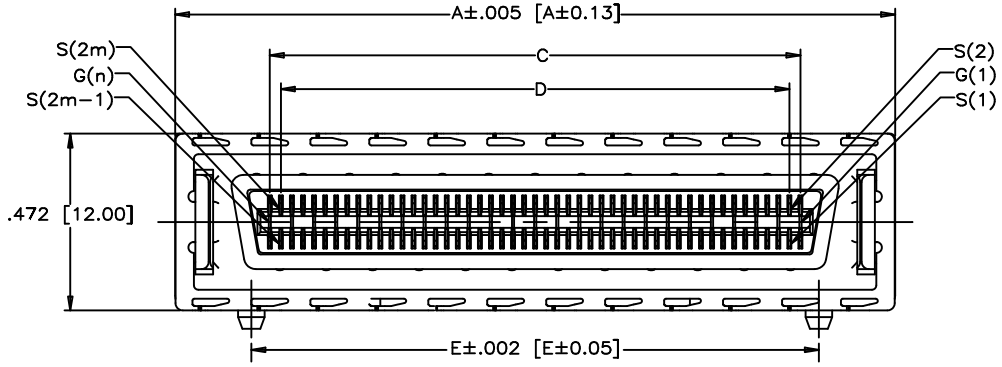
TITLE
INFINITY 4X/12X RECEPTACLE, LANYARD STYLE, FIXED BOARD, RIGHT ANGLE SMT, LOCATING/SOLDERING POSTS

DWG	DRAWING NO.	REV.
A	P-U65-XXX-XX1XXXX	F

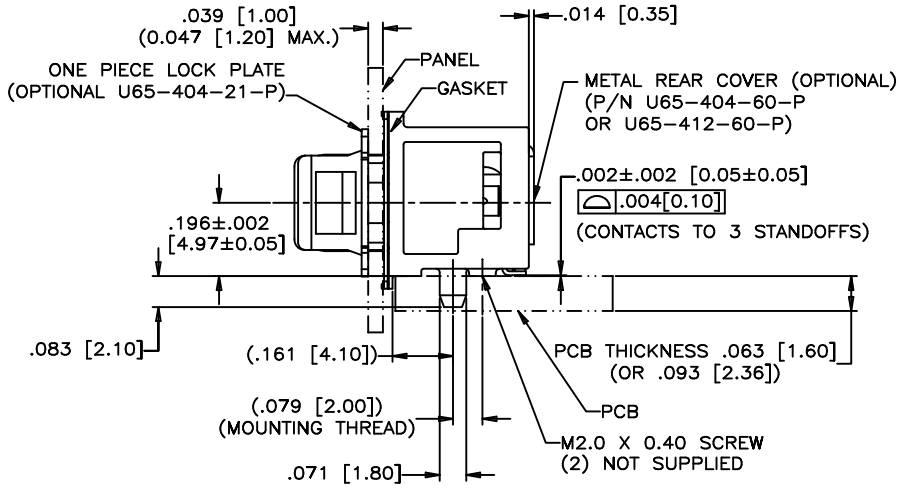
SCALE 2/1 | WT. ------ | SURF. ----- | SHEET 2 OF 4

REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
E		PROPOSAL	APR16/10	Z.L.
F		NEW OPTION ADDED	JUN16/11	Z.L.

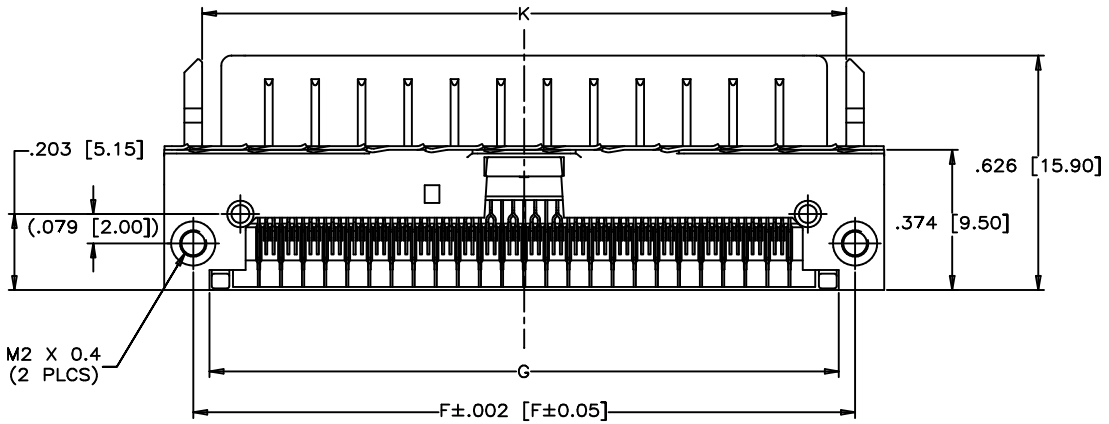
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U65-EXX-XX7XXX
(LOCK PLATE REMOVED)



U65-EXX-XX1XXX
(SCREW MOUNT)



U65-EXX-XX7XXX
(LOCK PLATE REMOVED)

** REFER TO [mm] AS PRIMARY DIMENSIONS.

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TITLE
INFINITY 4X/12X RECEPTACLE, LANYARD STYLE, FIXED BOARD, RIGHT ANGLE SMT, LOCATING/SOLDERING POSTS

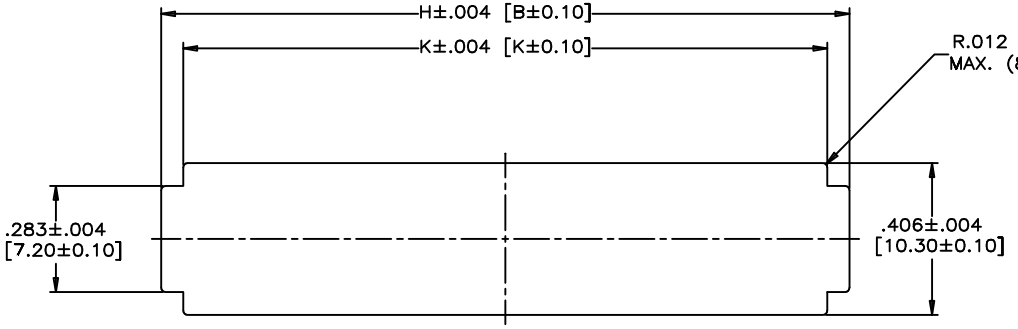
DWG	DRAWING NO.	REV.
A	P-U65-XXX-XX1XXXX	F

SCALE 2/1 | WT. ------ | SURF. ----- | SHEET 3 OF 4

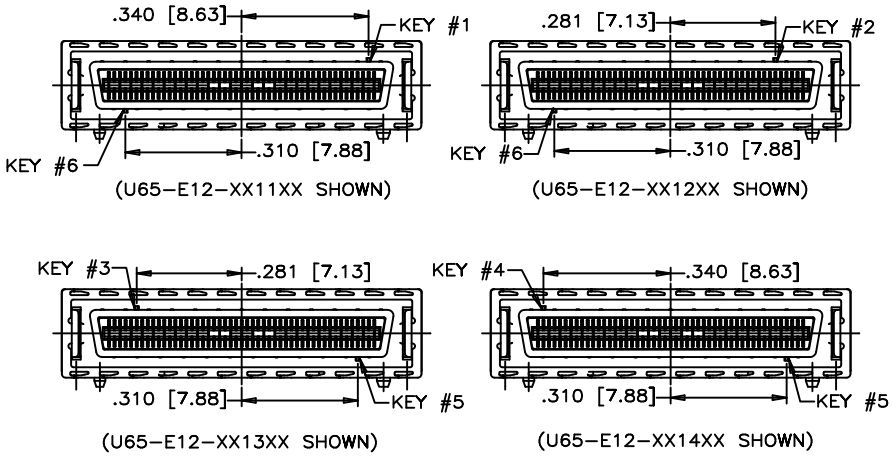
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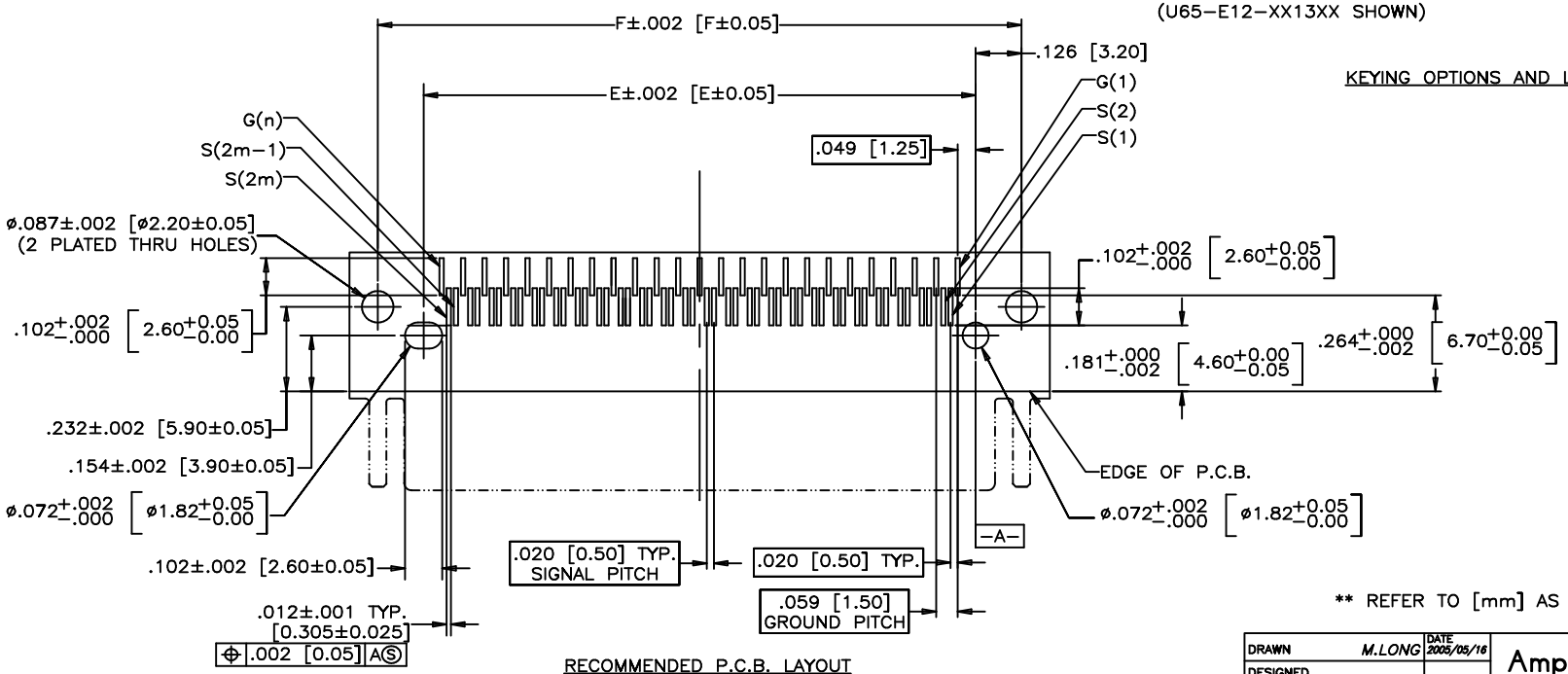
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RECOMMENDED PANEL CUTOUT



KEYING OPTIONS AND LOCATIONS



RECOMMENDED P.C.B. LAYOUT
(COMPONENTS SIDE OF BOARD)

** REFER TO [mm] AS PRIMARY DIMENSIONS.

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DESIGNED		
CHECKED	J.SI	2005/05/16
I. E. APPRD.		
Q. A. APPRD.		
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DWG	DRAWING NO.	REV.
A	P-U65-XXX-XX1XXXX	F

SCALE 2/1 | WT. ------ | SURF. ----- | SHEET 4 OF 4

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