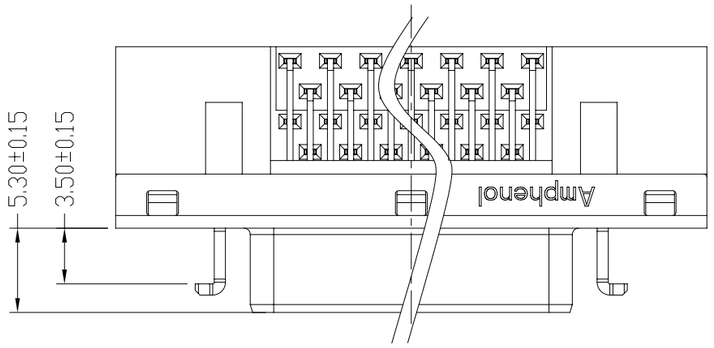
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	HK5895	First Release	09/16/09'	IP
2	HK5980	Add pack information	01/05/10'	IP



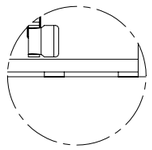


fig 1
W/O Board lock

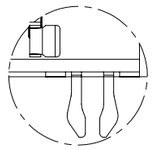
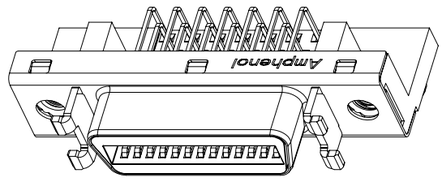
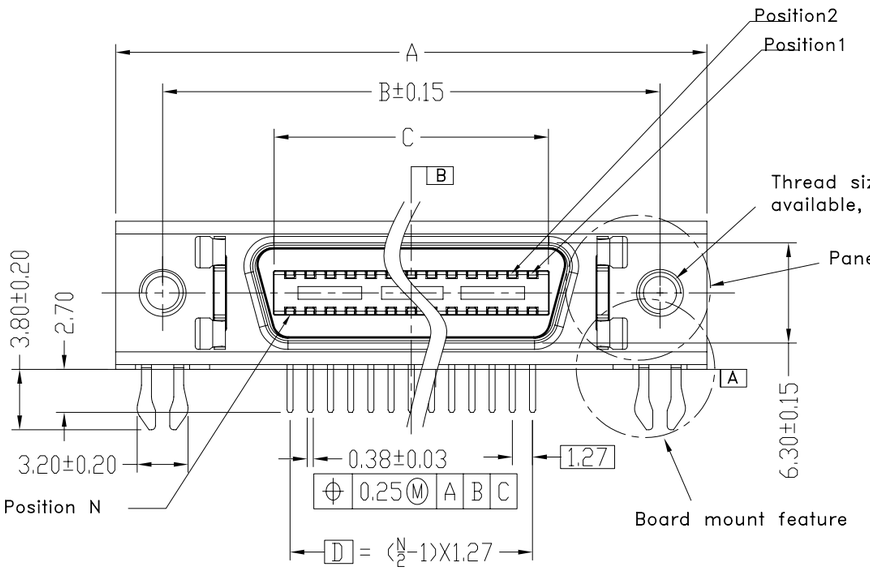
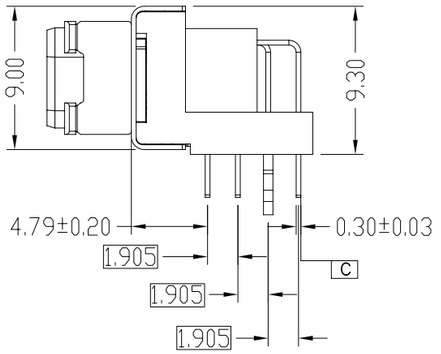


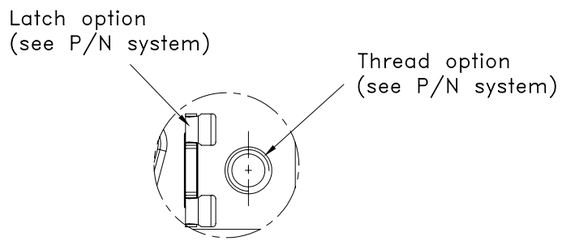
fig 2
Board lock

Board mount feature

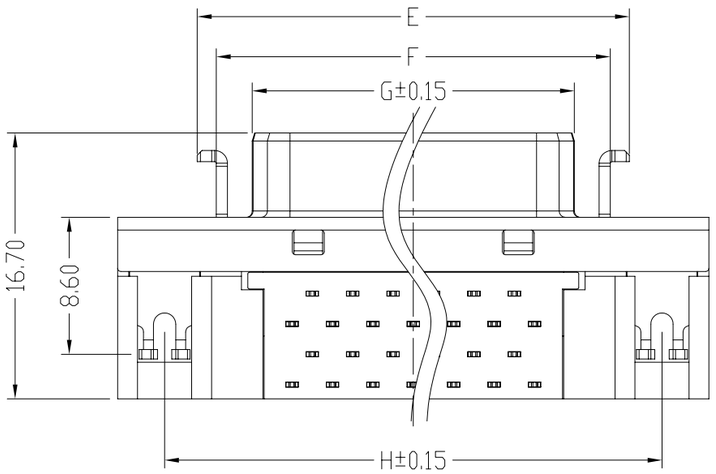








Panel side feature



Part Number	N	A	B	C	D	E	F	G	H	Layout Style
858-F014-B212-009X	14	29.54	23.64	9.62	7.62	19.54	17.14	12.62	23.64	1
858-F026-B212-009X	26	37.16	31.26	17.24	15.24	27.16	24.76	20.24	31.26	1
858-F036-B212-009X	36	43.51	37.61	23.59	21.59	33.51	31.11	26.59	37.61	2
858-F050-B212-009X	50	52.40	46.50	32.48	30.48	42.40	40.00	35.48	46.50	1
858-F068-B212-009X	68	63.83	57.93	43.91	41.91	53.83	51.43	46.91	57.93	2
858-F080-B212-009X	80	71.45	65.55	51.53	49.53	61.45	59.05	54.53	65.55	2

CUSTOMER DRAWING

Amphenol Shenzhen RoHS Compliant EU2002/95/EC

UNLESS OTHERWISE SPECIFIED
TOLERANCES

	U.S.	METRIC
.X +/-		0.50
.XX +/-		0.25
.XXX +/-		0.10
FRACTIONS +/-		
ANGLES +/-		3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS

~~[U.S.]~~	~~[INCHES]~~
METRIC	MM

APPROVAL		DATE
DRAWN	Bin Di	01/05/10'
CHECKED	Tony Tang	01/05/10'
CHECKED		

DRAWING FILE : \DRAWING\858\C 858FXXXB212009X-2.DWG

ANGLE OF PROJECTION

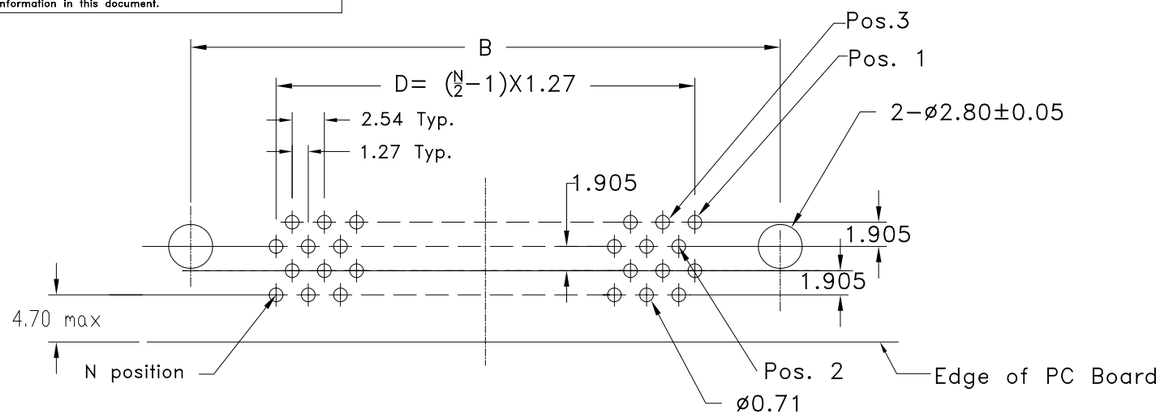
Amphenol

TITLE
858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE

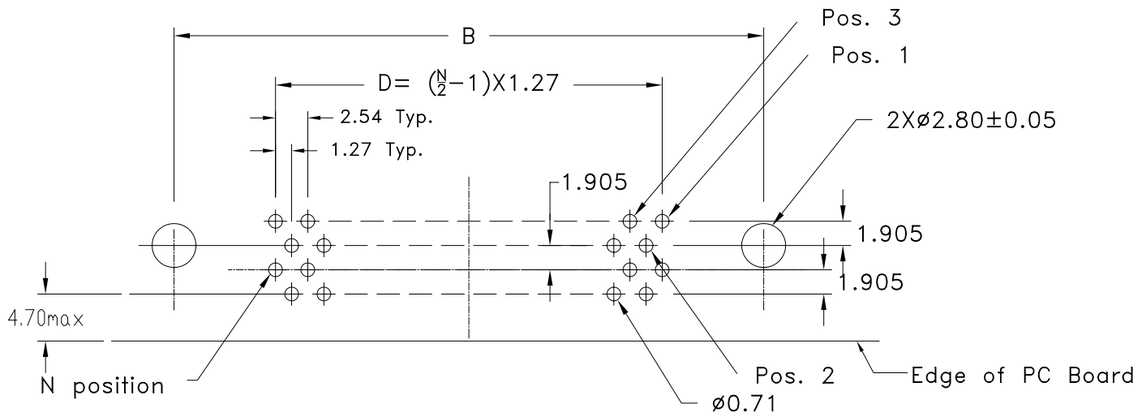
SIZE	DRAWING NO.	REV.
A3	C 858FXXXB212009X	2

SCALE NONE SHEET 1 OF 4

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



Recommended PCB Layout 2



Recommended PCB Layout 1

Note:

1. All dimensions are in mm.
2. Materials

   Contact: Phosphor Bronze,
   Refer to the P/N system for the Gold plating on mating area
   2.54−5.08µm pure matte Tin plated on termination area
   1.27−2.54µm Nickel underplated

   Shell : Cold Roll Steel 2.54−5.08um Nickel plated over 1.27um min copper.

   Housing : High temperature plastic, color black, UL94V−0 rated.

   Cover : High temperature plastic, color black, UL94V−0 rated.

   latch : Stainless steel.

   Nut : Brass, 1.27−3.81?m Nickel plated.

   Board lock : Brass, 1.27−3.81um Tin plated over 1.27um min Nickel.
3. Mechanical Characteristics

Durability	: 500 cycles min. for 0.76µm gold 250 cycles min. for 0.38µm 50 cycles min. for gold flash
Contact Retention Force with insulator	: 4.4 N min. per contact
Mating force	: 1.22 N Max/contact
Unmating force	: 0.20 N Min/contact
The housing flatness	: should be within 0.003 mm/mm

4. Electrical Characteristics

Contact Rating	: 1 A.
Contact Resistance	: 35 mΩ Max.
Insulation Resistance	: >500MΩ Min.at 500 VDC
Operation Temperature	: −55°C to 105°C
Dielectric Strength	: 500 VAC

5. Suitable for PCB with a norminal thickness of 1.56 mm
6. Material should be fulfilled Amphenol Spec.# SSN002.
7. Packing: option for tray pack is available,
   see separated drawing C858FXXXB212010X for detail.

Amphenol Shenzhen RoHS Compliant EU2002/95/EC

P/N :SYSTEM

858F−XXX−XX−X−X−009−X

NO.of ways
014: 14ways
026: 26ways
036: 36ways
050: 50ways
068: 68ways
080: 80ways

PCB mount
B2: R/A Through hole type
B4: Press fit type

Board mount
0:W/O board lock (see fig 1)
1:Board lock (see fig 2)

Panel side Feature
0: W/O latch + M2.5 thread
1: Latch + thread M2.5 for 002 press fit type
2: Latch + thread M2.5 for 009 steel latch R/A type
   Latch + thread #4−40 for 001 diecast R/A type
3: Latch + thread M3 for 009 steel latch R/A type

Sequent Number
001: Diecast R/A type
002: Press fit type
. . .
009: steel latch R/A type packing with T&R
010: * steel latch R/A type packing with tray see note 7th.

plating
1− 30u"
2− 15 u"
3−Gold flash

CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED TOLERANCES	U.S.	METRIC
.X +/−		0.50
.XX +/−		0.25
.XXX +/−		0.10
FRACTIONS +/−		
ANGLES +/−		3°
FOR MATERIALS AND FINISHES SEE NOTES		
REMOVE SHARP EDGES		
DIMENSIONS		
~~U.S.~~ (METRIC)	~~INCHES~~ (MM)	

APPROVAL		DATE
DRAWN	Bin Di	01/05/10
CHECKED	Tony Tang	01/05/10
CHECKED		

DRAWING FILE : \DRAWING\858\C 858FXXXB212009X−2.DWG

ANGLE OF PROJECTION

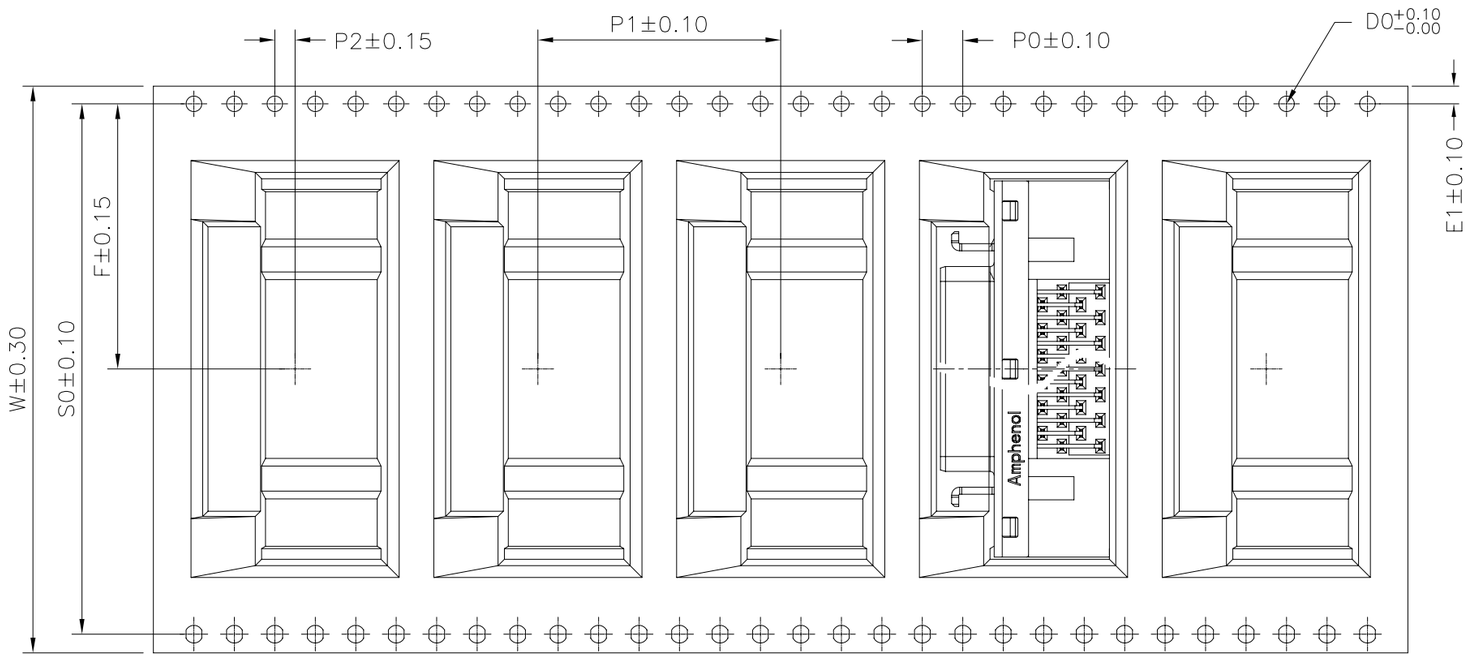
Amphenol

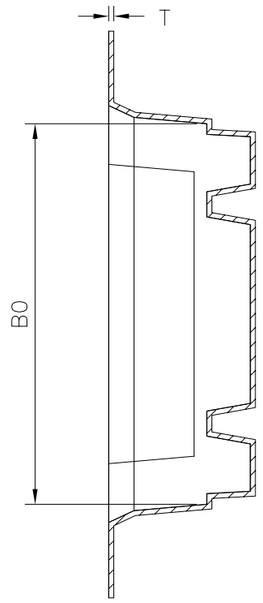
TITLE
858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE

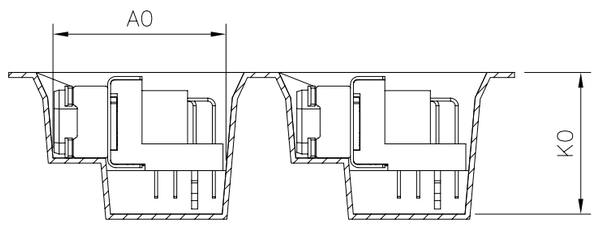
SIZE	DRAWING NO.	REV.
A3	C 858FXXXB212009X	2
SCALE	NONE	SHEET 2 OF 4

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

CUSTOMER DRAWING







Part Number	POS.	W	S0	F	P2	P1	P0	D0	T	B0	A0	K0	E1
858-F014-B212-009X	14	44	40.4	20.2	2.00	24.00	4.00	ø1.50	0.50	30.00	17.10	14.0	1.75
858-F026-B212-009X	26	56	52.4	26.2						37.60			
858-F036-B212-009X	36	56	52.4	26.2						43.95			
858-F050-B212-009X	50	72	68.4	34.2						52.84			
858-F068-B212-009X	68	88	84.4	42.2						64.27			
858-F080-B212-009X	80	88	84.4	42.2						71.89			

NOTES:

1. MEASURED FROM THE CENTERLINE OF SPROCKET HOLE TO CENTERLINE OF THE POCKET HOLE AND FROM THE CENTERLINE OF SPROCKET HOLE TO CENTERLINE OF THE POCKET
2. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLES IS ±0.20
3. THIS THICKNESS IS APPLICABLE AS MEASURED AT THE EDGE OF THE TAPE
4. MATERIAL: ANTISTATIC POLYSTYRENE ALLOY, BLACK.
5. DIM IN MM, All dimensions meet EIA-481-C requirements.
6. ALLOWABLE CAMBER TO BE 1mm PER 100mm IN LENGTH, NON-CUMULATIVE OVER 250mm
7. SURFACE RESISTIVITY LESS THAN OR EQUAL TO 1.0x10E11 OHMS/SQUARE .
8. THE NUMBER DIMENSIONS ARE IMPORTANT DIMENSION,MUST BE CHECKED WHILE PRODUCTION.
9. PACKING QTY 150 pcs. PER REEL 4.4 M ON THE REEL 13"
10. DIMENSIONS MARKED WITH NUMBER ARE IMPORTANT, SHOULD BE CHECKED IN MASS PRODUCTION
11. MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC# SSN002

Amphenol Shenzhen RoHS Compliant EU2002/95/EC

UNLESS OTHERWISE SPECIFIED TOLERANCES	U.S.	METRIC
.X +/-		0.50
.XX +/-		0.25
.XXX +/-		0.10
FRACTIONS +/-		
ANGLES +/-		3°
FOR MATERIALS AND FINISHES SEE NOTES		
REMOVE SHARP EDGES		
DIMENSIONS		
U.S.	INCHES	
METRIC	MM	

APPROVAL		DATE
DRAWN	Bin Di	01/05/10
CHECKED	Tony Tang	01/05/10
CHECKED		

DRAWING FILE : \DRAWING\858\C 858FXXXB212009X-2.DWG

ANGLE OF PROJECTION

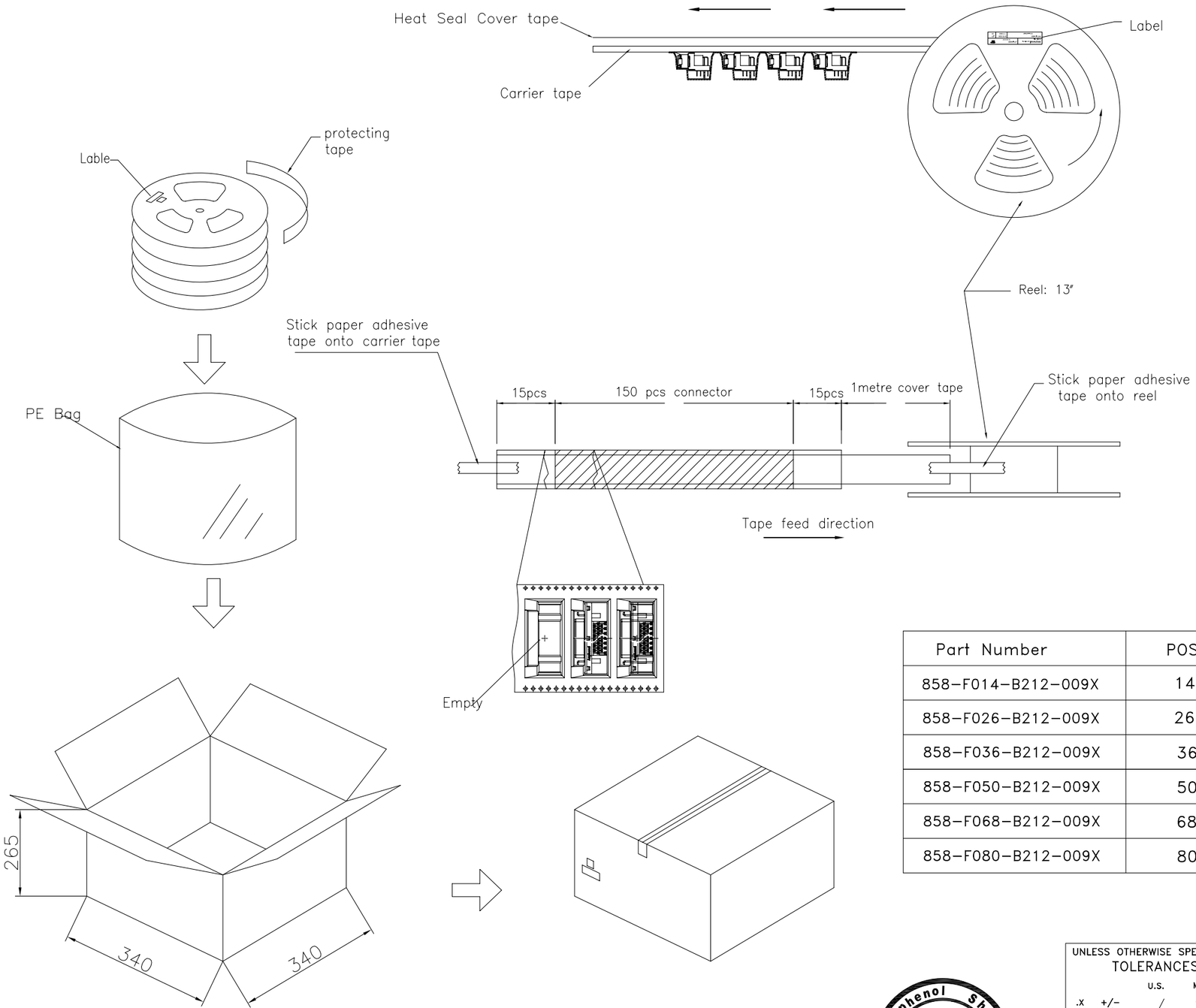
Amphenol

TITLE: 858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE

SIZE	DRAWING NO.	REV.
A3	C 858FXXXB212009X	2
SCALE	NONE	SHEET 3 OF 4

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

CUSTOMER DRAWING



Amphenol	LOT NUMBER XX XXXXXXXX		
PART NUMBER 858-FXXX-B212-009X		DATE CODE YYYYMMDD	QTY XXX

Part Number	POS.	PCS/REEL	REEL/CARTON	PCS/CARTON
858-F014-B212-009X	14	150	5	750
858-F026-B212-009X	26	150	4	600
858-F036-B212-009X	36	150	4	600
858-F050-B212-009X	50	150	3	450
858-F068-B212-009X	68	150	2	300
858-F080-B212-009X	80	150	2	300

Amphenol Shenzhen RoHS Compliant EU2002/95/EC

UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X +/-		0.50
.XX +/-		0.25
.XXX +/-		0.10
FRACTIONS +/-		
ANGLES +/-		3°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS ~~U.S.~~ (METRIC) ~~INCHES~~ (MM)

APPROVAL		DATE
DRAWN	Bin Di	01/05/10'
CHECKED	Tony Tang	01/05/10'
CHECKED		

DRAWING FILE : \DRAWING\858\C 858FXXXB212009X-2.DWG

ANGLE OF PROJECTION

Amphenol

TITLE: 858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE

SIZE	DRAWING NO.	REV.
A3	C 858FXXXB212009X	2

SCALE	5:1	SHEET 4 OF 4