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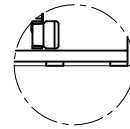
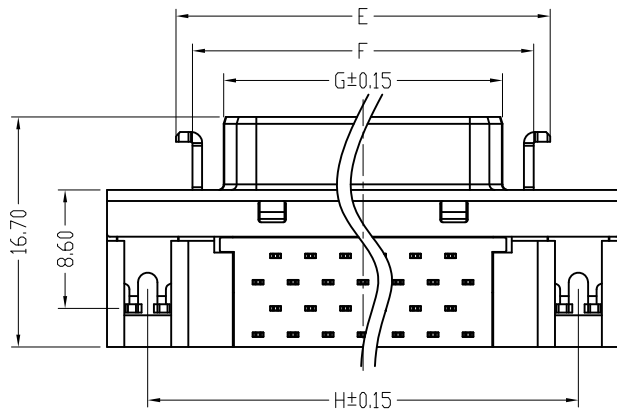
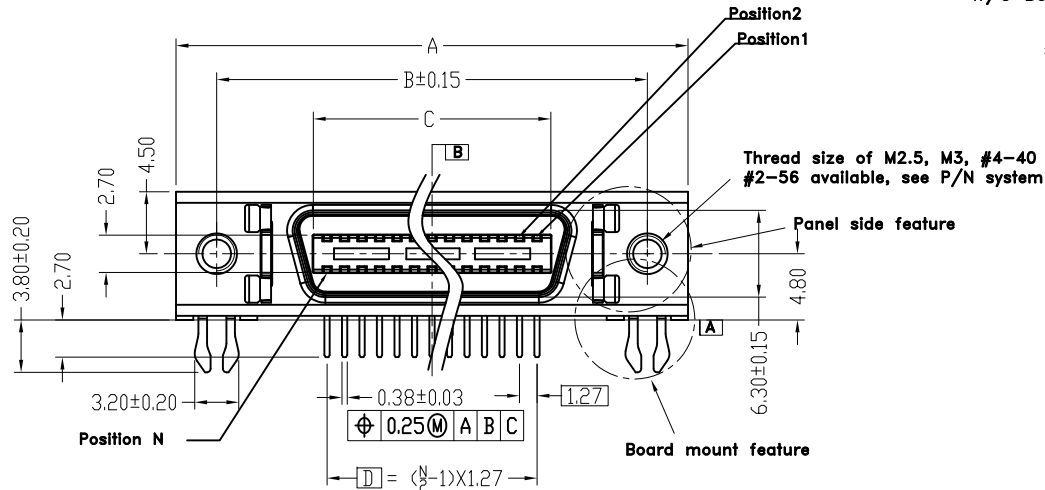
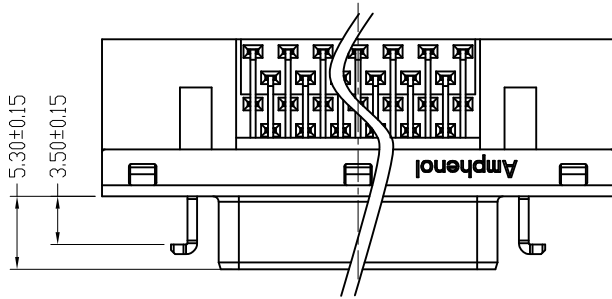


fig 1
W/O Board lock

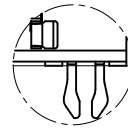
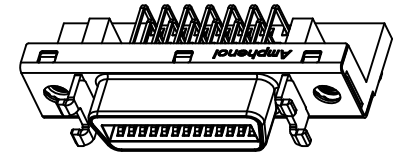


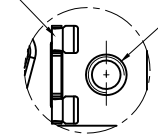
fig 2
Board lock

Board mount feature

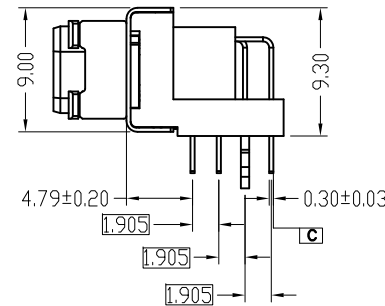


Latch option
(see P/N system)

Thread option
(see P/N system)



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

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE	
		U.S.	METRIC	DRAWN	Bin Di
.X	+/-	0.50		09/27/10	
.XX	+/-	0.25		CHECKED	Tony Tang
.XXX	+/-	0.10		09/27/10	
FRACTIONS	+/-			CHECKED	
ANGLES	+/-	3°			
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :			
REMOVE SHARP EDGES		ANGLE OF PROJECTION			
DIMENSIONS					
{U.S.}	{INCHES}				
METRIC	MM				

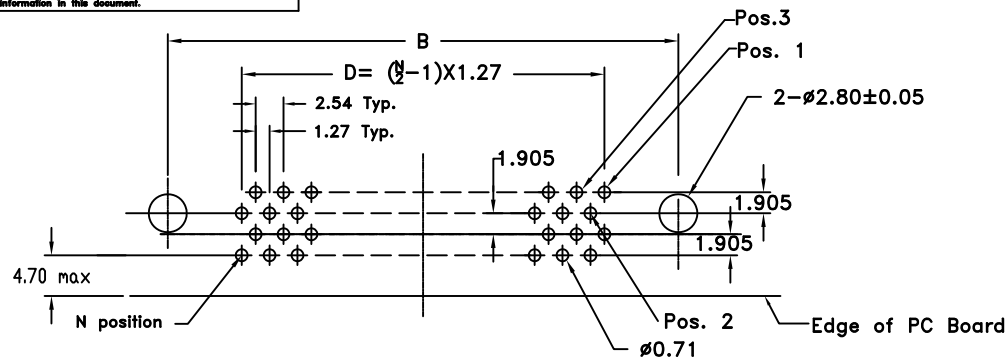


CUSTOMER DRAWING

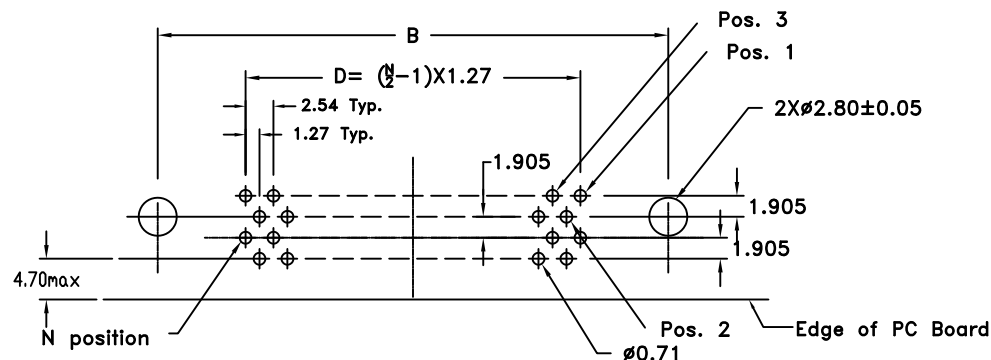
Amphenol

TITLE
858 SERIES PCB R/A FEMALE
SHIELDED RECEPTACLE

SIZE	DRAWING NO.	REV.
A3	C 858FXXXB212009X	4
SCALE	NONE	SHEET 1 OF 4



Recommended PCB Layout 2



Recommended PCB Layout 1

P/N : SYSTEM

858-FXXX-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)

plating
1- 30u"
2- 15 u"
3- Gold flash

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.

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
- 4: Latch + thread #2-56 for 009 steel latch R/A type

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, 1.27-3.81um 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 : 1.50 N Max/contact

Unmating force : 0.20 N Min/contact

The housing flatness : should be within 0.003 mm/mm

Latch retention force : 300N min per connector

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 nominal thickness of 1.56 mm

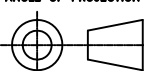
6. Material should be fulfilled Amphenol Spec.# SSN002.

7. Packing: option for tray pack is available,

see separated drawing C858FXXXB212010X for detail.



CUSTOMER DRAWING

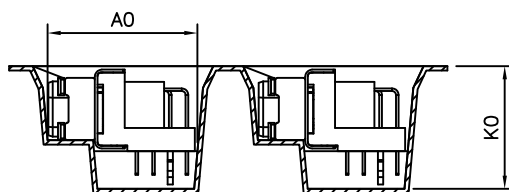
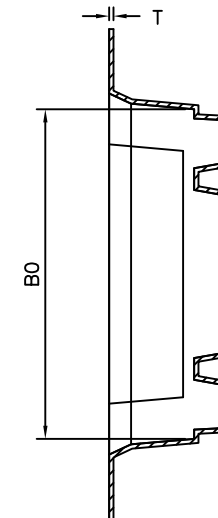
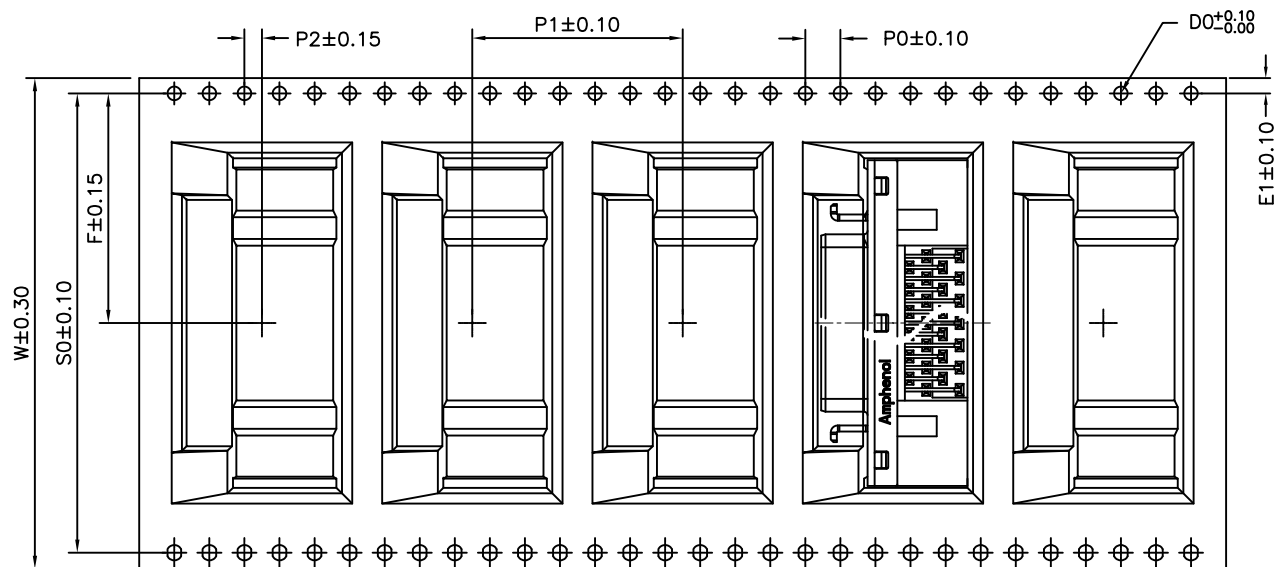
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol			
U.S.		DRAWN	Bin Di	09/27/10					
METRIC		CHECKED	Tony Tang	09/27/10					
		CHECKED							
.X +/- / 0.50 .XX +/- / 0.25 .XXX +/- / 0.10 FRACTIONS +/-/-/ 3" ANGLES +/-/-/ 3"		DRAWING FILE :		TITLE		858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE			
FOR MATERIALS AND FINISHES SEE NOTES		\\DRAWING\858\C 858FXXXB212009X-4.DWG							
REMOVE SHARP EDGES		ANGLE OF PROJECTION							
DIMENSIONS				SIZE		DRAWING NO.		REV.	
U.S.				A3		C 858FXXXB212009X		4	
INCHES				SCALE		NONE		SHEET 2 OF 4	
(METRIC)									
(MM)									

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CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



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 HOLE
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 1.0×10^{11} 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

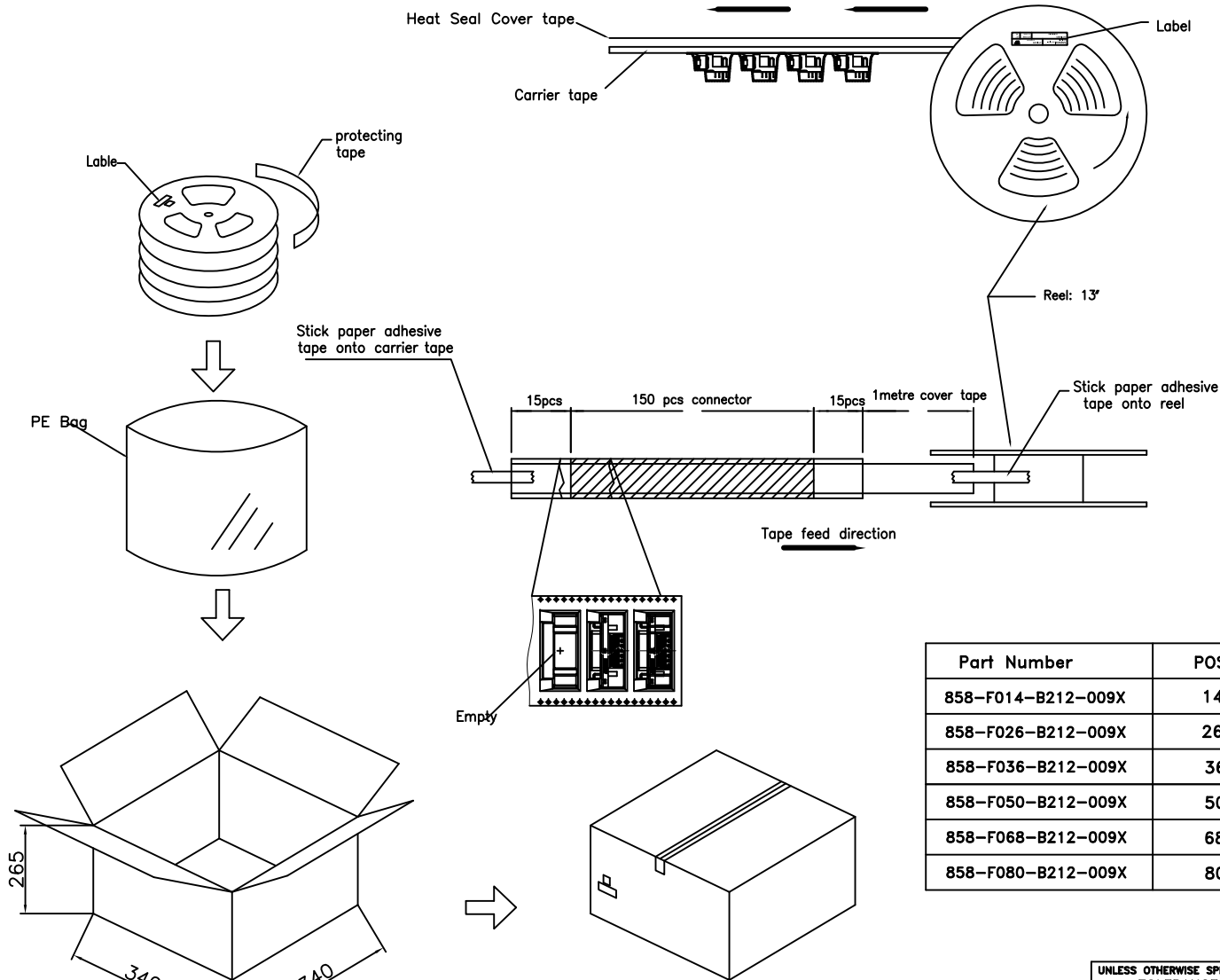


UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.50 .XX +/- 0.25 .XXX +/- 0.10 FRACTIONS +/- 3" ANGLES +/-		APPROVAL DRAWN Bin Di CHECKED Tony Tang CHECKED		DATE 09/27/10 09/27/10	
FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES METRIC MM		DRAWING FILE : VENAWHO.BIN/C 858F008B212009X-4.DWG		TITLE 858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE	
ANGLE OF PROJECTION 		SIZE A3		DRAWING NO. C 858FXXXB212009X	
SCALE NONE		SHEET 3 OF 4		REV. 4	

CUSTOMER DRAWING

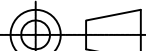
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

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



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE	Amphenol			
U.S. METRIC		DRAWN	Bin Di	08/27/10*				
.X +/- 0.50 .XX +/- 0.25 .XXX +/- 0.10 FRACTIONS +/- ANGLES +/- 3°		CHECKED	Tony Tang	08/27/10*	TITLE 858 SERIES PCB R/A FEMALE SHIELDED RECEPTACLE			
		DRAWING FILE :						
FOR MATERIALS AND FINISHES SEE NOTES		V:\DRAWING\858\C 858F000212009X-4.0W0			SIZE A3			
REMOVE SHARP EDGES		ANGLE OF PROJECTION						
DIMENSIONS					DRAWING NO. C 858FXXXB212009X		REV. 4	
— U.S. — — INCHES —					SCALE 5:1		SHEET 4 OF 4	
(METRIC) (MM)								