

8 7 6 5 4 3 2 1

REV. DESCRIPTION DATE APPROVED

E	ADDED NOTES FOR HOLD DOWN TABS	26/03/10	SLJ
F	ADDED RESONANCE DAMPENING FEATURE NOTE	21/02/10	SLJ
G	CONTACT NUMBERS ADDED	18B 11/11	SLJ
H	SHORTING BAR REVISED (CORNERS REMOVED)	18B 2/12	SLJ
J	ADD DIMENSION 0.95 FOR LOCATED POST LENGTH	28C 25/13	SLJ

1.14 MIN.

5.35

2.93

0.95

18.20

16.60

(6.30)

11.50

(8.60)

1.45±0.05

0.90±0.05

16.80

Ø0.3 C

Ø0.3 D

Ø1.45±0.050

5.80

(11.50)

5.49±0.20

8.14±0.20

0.10 C D

Amphenol
FS1-R38-X0XX
XXXX

FS1-R38-20A2-10 SHOWN
(NO HOLD DOWN TABS)

PART NUMBER (NO HOLD DOWN TABS)	RESONANCE DAMPENING FEATURE	PACKAGING	CONTACT PLATING
FS1-R38-20A2-10	YES	TAPE AND REEL	30µ" GOLD OVER 50µ" NICKEL IN CONTACT AREAS 100µ" MATTE TIN OVER 50µ" NICKEL IN SOLDER AREAS
FS1-R38-20A2-00	NO		
FS1-R38-30A2-10	YES		15µ" GOLD OVER 50µ" NICKEL IN CONTACT AREAS 100µ" MATTE TIN OVER 50µ" NICKEL IN SOLDER AREAS
FS1-R38-30A2-00	NO		

1.14 REF.

1.27 REF.

8.15 REF.

2.51

5.18

0.40

17.37 REF.

0.35±0.030

0.05 L A B

0.29 REF.

#38

#20

1.80±0.030

0.05 L A B

#1

#19

1

A

2X Ø1.55±0.050

2.11 REF.

2.03 REF.

(Ø1.55)

B

1.78 REF.

16.80±0.050

KEEP-OUT ZONE IN HATCHED AREAS
NO TRACES OR INK MARKING ALLOWED

DO NOT SCALE DRAWING

RECOMMENDED PCB LAYOUT
FOR FS1-R38-X0A2-X0
(NO HOLD DOWN TABS)

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE
OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

AMPHENOL CANADA CORP.
RoHS
COMPLIANT
2011/65/EU RECAST

NOTES:

1) MATERIAL:

HOUSING: SOLDER REFLOW PROCESS COMPATIBLE LCP, UL94V-0
CONTACTS: PHOSPHOR BRONZE
RESONANCE DAMPENING FEATURE: CONDUCTIVE POLYMER

2) ROHS COMPLIANT

3) PERFORMANCE:

ELECTRICAL: 0.5 AMPS MAX. PER CONTACT

MECHANICAL: 250 MATING CYCLES MINIMUM

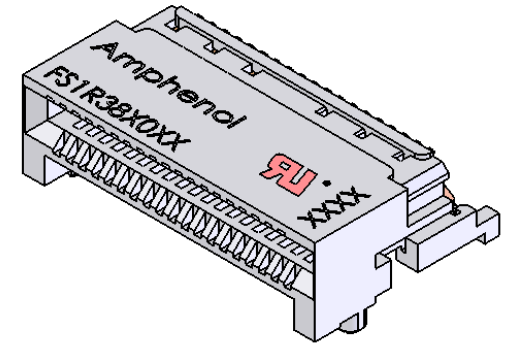
4) COMPLIES WITH SFF-8436 SPECIFICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol High Speed Interconnects	
SIGNALS	ANGLES	DRAWN	DESIGNED	CHECKED	DATE	REV
.XX ± 0.25	± 2°	K. SOBEL	YK		15/APR/10	
MATERIAL AND FINISH					21/APR/06	
ENG. REL. NO.						
CODE IDENT. NO.						
03554						

EXPRESS PORT, QSFP+
38 POSITION CONNECTOR

P-FS1-R38-X0A2-XX

1 OF 2



PART NUMBER (NO HOLD DOWN TABS)	RESONANCE DAMPENING FEATURE	PACKAGING	CONTACT PLATING
FS1-R38-20A2-10	YES	TAPE AND REEL	30µ" GOLD OVER 50µ" NICKEL IN CONTACT AREAS 100µ" MATTE TIN OVER 50µ" NICKEL IN SOLDER AREAS
FS1-R38-20A2-00	NO		
FS1-R38-30A2-10	YES		15µ" GOLD OVER 50µ" NICKEL IN CONTACT AREAS 100µ" MATTE TIN OVER 50µ" NICKEL IN SOLDER AREAS
FS1-R38-30A2-00	NO		



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS DATE DESIGNED BY: K.SOBEL 15/APR/10 CHECKED BY: J.A. DUFF 21/APR/06		Amphenol High Speed Interconnects TITLE: EXPRESS PORT, QSFP+ 38 POSITION CONNECTOR	
DECIMALS ANGLES X= 0.25 ± 2° X=.4 ± 1° MATERIAL AND FINISH		ENG'LER NO. R. APP'D EAR 12923 CODE IDENT NO. 03554		SCALE P-FSI-R38-X0A2-X REV. J CANT NTS PRODC FS1 SHEET 1 OF 2	

