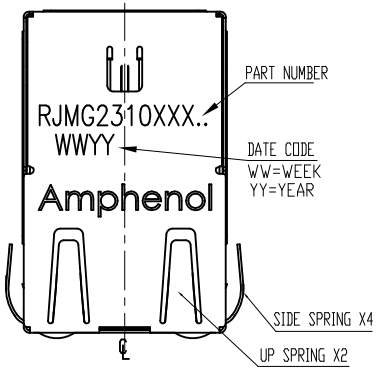
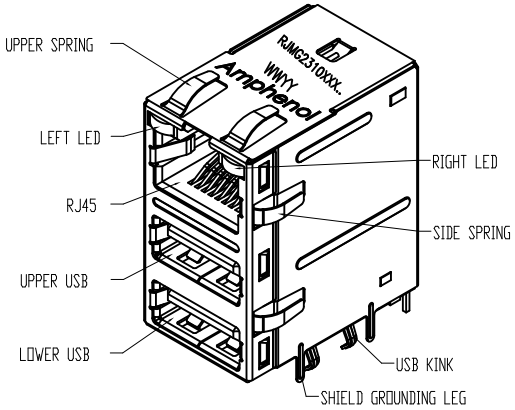
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

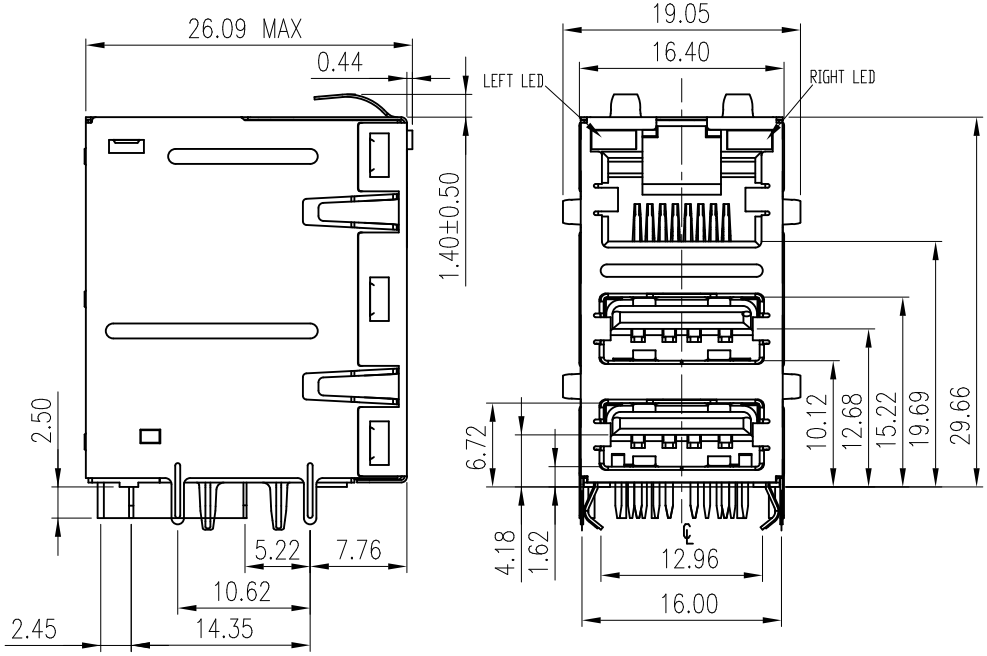
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-0259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

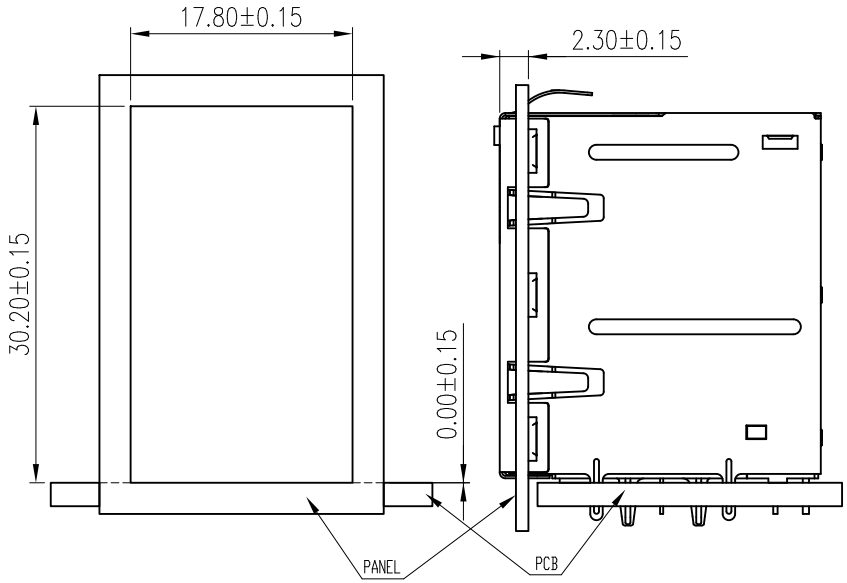
CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		NEW PROPOSAL DRAWING	04/10/2008	Greg.L
BX1		ADD THE PANEL DIMENSION	06/19/2014	Roger Tsai









TOLERANCE	APPROVALS	DATE
X.	DRAWN Jophy Li	06/19/2014
X.X ±0.35		
X.XX ±0.25	CHECKED Vivian Wen	06/19/2014
X.XXX ±0.15	APPROVED Roger Tsai	06/19/2014
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG
UNLESS OTHERWISE SPECIFIED		

TITLE: RJmag 1000 Base-T
RJ Over Dual USB

UNIT	SIZE	PART No.	REV.
mm	A3	RJMG2310228A0ER	
SCALE	SHEET	DWG No.	
NA	1 OF 4	RJMG2310228A0ER	BX1

Amphenol®
Amphenol Corporation
Amphenol Taiwan Corporation

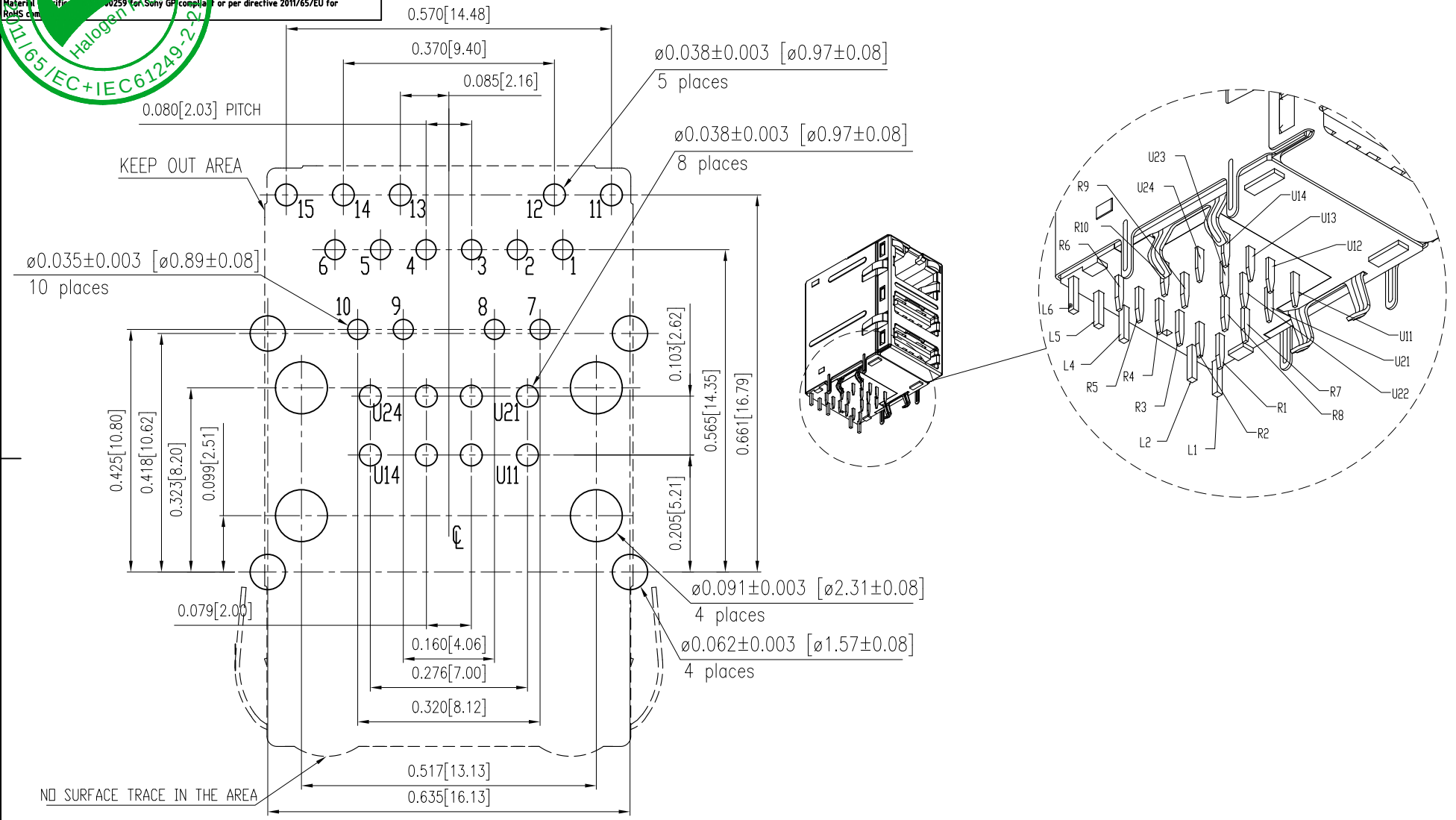
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

The material of this product doesn't contain environmental hazardous materials per Material Specification 00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

Halogen Free
2011/65/EC+IEC61249-2-21

CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		NEW PROPOSAL DRAWING	04/10/2008	Greg.L
BX1		ADD THE PANEL DIMENSION	06/19/2014	Roger Tsai



Recommended PCB layout
component side view
PCB thickness : 1.6mm

TOLERANCE	APPROVALS	DATE	TITLE			
X.	DRAWN Jophy Li	06/19/2014	RJmag 1000 Base-T			Amphenol®
X.X ±0.35			RJ Over Dual USB			Amphenol Corporation
X.XX ±0.25	CHECKED Vivian Wen	06/19/2014				Amphenol Taiwan Corporation
X.XXX ±0.15	APPROVED Roger Tsai	06/19/2014	UNIT mm	SIZE A3	PART No. RJMG2310228A0ER	
ANGULAR ±1°			SCALE NA	SHEET 2 OF 4	DWG No. RJMG2310228A0ER	REV. BX1
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG				

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

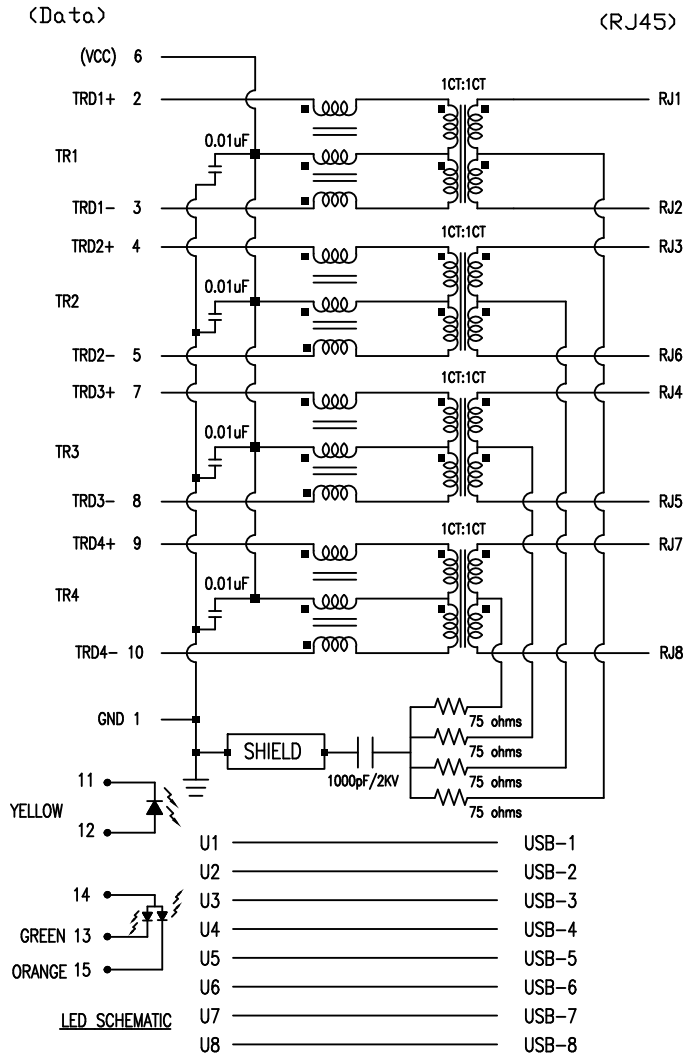
The marking on this product does not contain environmental hazardous materials per Material Specification 99-0000-1599 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

Halogen Free 2011/65/EC+IEC61249-2-21

CUSTOMER DRAWING

Compliant with IEEE 802.3ab Stardard

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		NEW PROPOSAL DRAWING	04/10/2008	Greg.L
BX1		ADD THE PANEL DIMENSION	06/19/2014	Roger Tsai



CONNECTOR PERFORMANCE

ELECTRICAL SPECIFICATION(@25° C)

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS	−1.2dB MAX.	0.1−125 MHz
RETURN LOSS	−16dB MIN. −10+20 log(f/80MHz)dB MIN.	0.5−40 MHz 40−100 MHz
CM−CM REJECTION	−30dB MIN.	100KHz−100MHz
CM−DM REJECTION	−35dB MIN.	100KHz−100MHz
CROSSTALK	−35dB MIN.	100KHz−100MHz
HIPOT (Withstanding)	1.5kVrms/60Hz or 2.25VDC MIN.	60S
ISOLATION Resistance	1000M ohms MIN.	500VDC 60S
OCL	350uH MIN. From 0~70 degree	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

LED PERFORMANCE:

	Activity	Link	
Display Color	Yellow	Green (10Mbps)	Orange (100Mbps)
Wavelength	590nm	565nm	605nm
Forward Current	30mA	30mA	30mA
Reverse Current	10uA	10uA	10uA
Forward Volt.Max	2.6VDC	2.6VDC	2.6VDC

TOLERANCE	APPROVALS	DATE	TITLE	
X.			RJmag 1000 Base−T	Amphenol®
X.X ±0.35	DRAWN Jophy Li	06/19/2014	RJ Over Dual USB	Amphenol Corporation
X.XX ±0.25	CHECKED Vivian Wen	06/19/2014		Amphenol Taiwan Corporation
X.XXX ±0.15	APPROVED Roger Tsai	06/19/2014	UNIT mm / SIZE A3	PART No. RJMG2310228A0ER
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG	SCALE NA / SHEET 3 OF 4	DWG No. RJMG2310228A0ER / REV. BX1
UNLESS OTHERWISE SPECIFIED				

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

The marking on thisproduct doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		NEW PROPOSAL DRAWING	04/10/2008	Greg.L
BX1		ADD THE PANEL DIMENSION	06/19/2014	Roger Tsai

MATERIALS:

HOUSING DIELECTRIC MATERIAL:
POLYMER TYPE: HIGH TEMPERATURE GLASS-REINFORCED THERMOPLASTIC,
COLOR: BLACK
UL FLAMMABILITY RATING : UL 94V-0

CONTACTS (RJMAG):
BASE METAL ALLOY: PHOSPHOR BRONZE
PLATING: 30u 'Au Min OVER 50u 'Ni Min UNDERPLATING
100u 'Tin Min OVER 50u ' Ni MIN ON TAILS.

SHIELD:
STAINLESS STEEL , SUS304-1/2H. T=0.2MM , NO PLATING

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202,METHOD 208.

MATING/UNMATING FORCE:

USB PORT :
COMPLY WITH USB2.0 FOR ALL ELECTRICAL AND MECHANICAL CHARACTERISTICS
INSERTION FORCE 3.5Kg MAX, PER USB2.0 SPEC
WITHDRAWAL FORCE 1.0Kg MIN , PER USB2.0 SPEC
DURABILITY: 5000 CYCLES MIN

RJ PORT :
MATING: 2.0Kg MAX , PER EIA-364-13B
UNMATING FORCE: 2.0Kg MAX , PER EIA-364-13B
PACKAGING: 40PCS/PLASTIC TRAY,4TRAYS/BOX
COMPLY WITH FCC PART 68 SUBPART F.
DURABILITY: 5000 CYCLES MIN

Environmental

OPERATING TEMPERATURE:-40°C TO +85°C.
STORAGE TEMPERATURE:-40°C TO +100°C.
WAVE SOLDERING TEMPERATURE: 260°C FOR 10 SECONDS MAX
ALTITUDE OPERATING RANGE: SEA LEVEL TO 3000m
HUMIDITY: NO DAMAGE OR CHANGE THAT AFFECTS THE FUNCTION OR LOOKS OF MATED CONNECTORS
THERMAL SHOCK: SUBJECT MATED CONNECTORS TO 10 CYCLES BETWEEN -55°C AND 85°C,EVERY STEP TEMPERATURE 0.5h MIN
MECHANICAL SHOCK: THREE SHOCKS IN EACH DIRECTION SHALL BE APPLIED ALONG THREE MUTUALLY PERPENDICULAR AXES OF THE TEST SPECIMEN (18 SHOCKS)

REMARKED:

RJMG23102 - 2- 8 A- 0 ER

- 2- : LED1 (RIGHT SIDE) — 2- Yellow
- 8 : LED2 (LEFT SIDE) — 8: Bi-color Green/Orange(3 leds)
- A : A: 4 X 75R , 1000pF , 8 cores, EMI ESD IEEE Plus
- 0 : 0: Standard;
- ER : plating and packaging — E: Gold 30u Inches, Stainless steel shield, Tray; R: Rohs Compliant;

Amphenol Taiwan RoHS' Halogen Free 2011/65/EC+IEC61249-2-21

TOLERANCE	APPROVALS	DATE	TITLE			
X. ±0.35 X.X ±0.25 X.XXX ±0.15 ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	DRAWN: Jophy Li	06/19/2014	RJmag 1000 Base-T RJ Over Dual USB			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation
	CHECKED: Vivian Wen	06/19/2014				
	APPROVED: Roger Tsai	06/19/2014		UNIT: mm	SIZE: A3	PART No.: RJMG2310228A0ER
	DWG TYPE: CUST DWG	PROJECT CODE: RJMG		SCALE: NA	SHEET: 4 OF 4	DWG No.: RJMG2310228A0ER REV.: BX1

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Amphenol:

10082378-10001TLF 52601-S26-8TLF 91615-303ALF L177SDA15S1ACH4R 91601-303ALF 91930-21169LF DBM5W5PN DBML25P500 SFW18R-1STE1HLF 031-6922 10138980-0841LF 68668-004LF DBM25S532N HM1L42LDP000H6PLF HM2LS22A8LF 10138654-G03-25LF 10147875-004LF RJHSE548B 10127819-0841GPLF 10137927-2212LF 10144754-2241LF L177TWA7W2SFM 68691-472HLF DBM13W3P300N DDML50P543C HM2DK1567PLF 10129382-920002BLF 10132798-041100LF 91614-310GLF SFW9R-3STE1LF