SPECIFICATION

FOR

BRITISH POWER SUPPLY CORD (PB FR)

CORD : H05VV-F 3X1.50mm² PVC LEAD FREE

CUSTOMER	: VPE/FARNELL
CUSTOMER'S PART No.	: 1124398
VOLEX'S SPEC. REF No.	: 194219/4
ISSUE No.	: 001
DATE	: 21ST FEBRUARY 2019

CUSTOMER APPROVED :

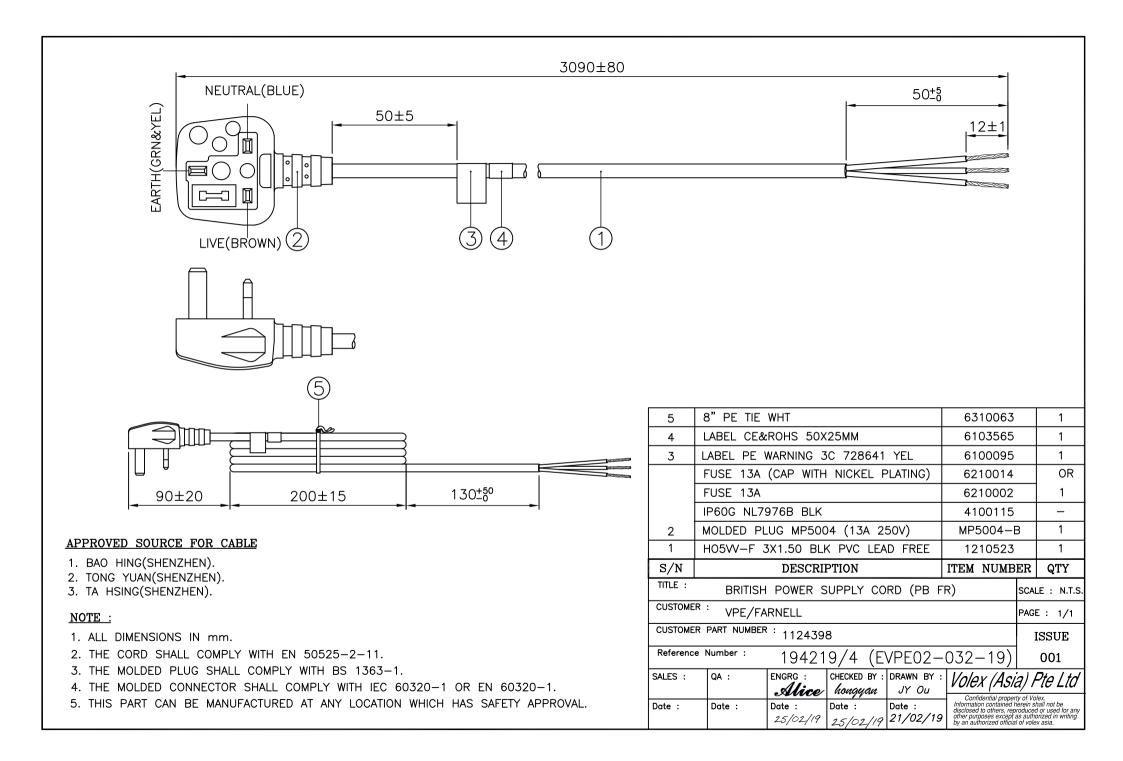
Volex

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Volex (Asia) Pte Ltd 35 Tampines St. 92 Singapore 528880 Tel : (65) 6788 7833 Fax : (65) 6788 7822

AMENDMENT RECORD

REF. No.	DESCRIPTION OF CHANGES	DATE
194219/4	(1) FIRST SUBMISSION.	21/02/19
(EVPE02-032-19)		
ISSUE : 001		



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Γ	DRAWING NUMBER : REVISION :							
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	C100005 V001.							
	<u>6100095-X001:</u>							/
	WARNING : THIS APPLIANCE MUST BE EARTHED	THIS PLUG IS NOT WATERPROOF-KEE	PDRY	WARNING : THIS APPLIANCE MU	IST BE EARTHED	THIS PLUG IS NOT WATERPROOF-KEEP	DRY	1
	I INPORTANT : The wires in this mains load are coloured in	This cord is already fitted with a moulded plug	incorporating	IMPORTANT : The wires in this mains	load are coloured in	This cord is already fitted with a moulded plug in a fuse, the value of which is indicated on the pin f	corporating	
	accordance with the following code.	a fuse, the value of which is indicated on the pil plug. Should the fuse need to be replaced. An A	in face of the ASTA approved	accordance with the following code.		plug. Should the fuse need to be replaced. An AST BS1362 fuse must be used of the same ratin	A approved	
	Green & Yellow-Earth, Blue-Neutral, Brown-Live. As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:	BS1362 fuse must be used of the same rathing thus the fuse cover is detachable, never	use the plug	Green & Yellow-Earth, Blue-Neutral, colours may not correspond with th identifying the terminals in your plug	e coloured markings	thus (if the fuse cover is detachable, never us with the cover omitted. If a replacement fuse	e the plug	
	The wire which is coloured Green & Yellow must be connected	with the cover ornitted. If a replacement fur required, ensure it is of the same colour as that	visible on the	The wire which is coloured Green & Yell	ow must be connected	required, ensure it is of the same colour as that vis pin face of the plug (ie burgundy). Fuse covers a	ible on the re available	20 20
	to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or Green &	pin face of the plug (ie burgundy). Fuse covers from the Parts Department indicated in your use If the plug supplied is not suitable for your soo	or instructions.	to the terminal in the plug which is man by the earth symbol or colou	ked with the letter E or red green or Green &	from the Parts Department indicated in your user i If the plug supplied is not suitable for your socke	nstructions. touttet it	
	The wire which is coloured Blue must be connected to the	should be cut off and destroyed. The end of the flexible cord should be suitably		Yellow. The wire which is coloured Blue must terminal which is marked with the lette	- N as aslaurad Disak	should be cut off and destroyed. The end of the flexible cord should be suitably pr		2>
	I terminal which is marked with the letter N or coloured Black I or Blue.	the correct plug fitted. (See Over).	P. open our and	or Blue. The wire which is coloured Brown must		the correct plug fitted. (See Over).		
в	The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red	WARNING: A PLUG WITH BARED FLE CORDS IS HAZARDOUS IF ENGAGED IN		terminal which is marked with the letter	r L or coloured Brown	WARNING: A PLUG WITH BARED FLEXI CORDS IS HAZARDOUS IF ENGAGED IN A		
	728641 (3 CORE)	SOCKET OUTLET		and mountain	728641 (3 CORE)	SOCKET OUTLET		
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			C1000	OF TO77 OD COO	1. A			
		-	61000	<u>95-T037 OR S09</u>	1: 75			
		[WARNING : THIS APPLIANCE MUST BE I	EARTHED THIS	PLUG IS NOT WATERPROOF-KEEP DRY		
	SPECIFICATION :		I IMPO	ORTANT : The wires in this mains load are	coloured in This cord	is already fitted with a moulded plug incorporating		
	MATERIAL : PE SYNTHETIC PAPER	2	1	ordance with the following code: en & Yellow-Earth. Blue-Neutral. Brown-Li	plug. Show	e value of which is indicated on the pin face of the uld the fuse need to be replaced. An ASTA approved fuse must be used of the same rating, marked	i	
	SURFACE FINISHED : GLOSSY		colo	burs may not correspond with the coloure ntifying the terminals in your plug. proceed	d markings thus 🐼	If the fuse cover is detachable, never use the plug cover omitted. If a replacement fuse cover is		
	COLOUR : YELLOW		I The	wine which is coloured Green & Yellow must	be connected required, o	onsure it is of the same colour as that visible on the of the plug (le burgundy). Fuse covers are available		g
	ADHENSIVE BASE : ACRYLIC ADHESIVE		by i	the terminal in the plug which is marked with the the earth symbol or coloured green	or Green & from the	Parts Department indicated in your user instructions. g supplied is not suitable for your socket outlet, it		
	TEMPERATURE RANGE : -20°C ~ 100°C		I Yell The	ow. wire which is coloured Blue must be conn ninal which is marked with the letter N or ca	ected to the should be	cut off and destroyed. of the flexible cord should be suitably prepared and	- 4	
	NOTES		l or£	Blue. wire which is coloured Brown must be conn	ected to the	ct plug fitted. (See Over).		
1	NOTES : 1. ALL DIMENSION IN MM.		tern or f	ninal which is marked with the letter L or co Red.	oloured Brown WAI	RNING: A PLUG WITH BARED FLEXIBLE DS IS HAZARDOUS IF ENGAGED IN A LIVE	1	
	2. GENERAL TOLERANCE ±2MM, UNLESS OTHERWISE SPECI	FIED.		7286	41 (3 CORE)	SOCKET OUTLET.	i	+
	3. YELLOW BACKGROUND WITH BLACK PRINT.	÷			140 🔇			
	4. INK SHOULD NOT SMEAR AFTER PRINT. 5. $\langle \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	DIGITS.	-					
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REV.	DESCRIPTION	DATE
F	REVERT THE FORMAT.	24/02/05
	CHANGE THE COMPLIANCE STANDARD	
	PER SAFETY.	
G	UPDATE FORMAT AS SHOWN.	23/12/13

1. PVC FLEXIBLE CORD

1.1 SCOPE

This specification shall be in accordance with EN 50525-2-11. 🛕

1.2 CONSTRUCTION

CONDUCTOR	ANNEALED COPPER WIRE
INSULATION	PVC (BLUE, BROWN AND GREEN&YELLOW)
JACKET	PVC

ITEM		UNIT	SPEC. VALUE		
TEMPERATURE RATING		•C	70		
RATED VOLTAGE		V	300/500		
NO. OF CORE		NO.	3		
CONDUCTOR NOMINAL A	REA	mm ²	1.50		
MIN. AVE. THICKNESS C	F INSULATION	mm	0.70		
MIN. THICKNESS AT ANY PO	DINT OF INSULATION	mm	0.53		
MIN. AVE. THICKNESS C	F JACKET	mm	0.90		
MIN. THICKNESS AT ANY POIN	NT OF JACKET	mm	0.665		
OVERALL DIAMETER OF JACK	T	mm	7.4~9.4		
DIELECTRIC-STRENGTH TEST	ON COMPLETED CABLE	_	2000V for 15 mins.(minimum)		
FOR MINIMUM 1 HOUR	ON CORES		2000V for 5 mins.(minimum)		
VOLTAGE TEST (D. A)		-	5000V d.c. for 5 mins.(minimum)		
VOLTAGE TEST (D.C)		—	2000V a.c. for 5 mins.(minimum)		
INSULATION RESISTANCE	E TEST (70°C)	MΩkm	>0.01		
CONDUCTOR RESISTANC	E TEST (20°C)	Ω/km	<=13.3		

		APPROV	ED POW	VER SUI	PPLY CABLE
SPEC NO. :	APPROVED BY :	CHECKED BY :	DRAWN BY : HONGYAN	REVISION : G	A Volex (Asia) Pte Ltd
CS-041EU	DATE :	DATE :		PAGE :	Confidential property of Volex. Information contained herein shall not be disclosed to othe
	30/12/13	<u> צו רו רר</u>	23/12/13	1/1	reproduced or used for any other purposes except as euthorized in writing by an authorized official of volex asla.

REV.	DESCRIPTION	DATE
	UPDATE THE FORMAT AS SHOWN.	
В	ADD IN '(EU/SAA/SAB/IEC)' ON THE TITLE.	21/01/05
С	ADD NEW MARKING AS SHOWN.	16/11/17

CABLE MARKING

BAO HING (SHENZHEN)

H05VV-F 3G1.5mm² ⊲VDE ⊳ KEMA-KEUR IEMMEQU SABS 1574 BAOHING GTSA-3 N14586 **C€** LF

OR

A H05VV-F 3G1.5mm² ⊲VDE > KEMA-KEUR IEMMEQU BAOHING C€ LF

		40/44/47		
DRAWN	JIN JU	16/11/17	FILENAME :	TITLE : CABLE MARKING
CHECK	Feng	16/11/17	CABLE MARKING/ BH/H05/H05W-F	
APPR	heith	16/11/17	3X1.50 LF-BH	(EU/SAB/SAA/IEC)
SCALE	N.T.S.	REV.	с	
REFERENC			Volex (Asia) Pte Ltd	
НО	5VV-F 3>	(1.50mm ⁻	Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized into writing by an authorized official of volex saia.	

REV.	DESCRIPTION	DATE
	REMOVE OLD MARKING PER ECR140326	
E	REMOVE NOTE 1.	20/05/15
F	ADD IN NEW MARKING AS SHOWN.	25/12/17

CABLE MARKING

TONG YUAN (SHENZHEN)

H05VV-F 3G1.5mm² ⊲VDE⊳ KEMA-KEUR CEBEC +0+0+0 ⊲öVE⊳ (D(S)(N)(F)) IEMMEQU SABS 60227-5 NF-USE 1321FC TONGYUAN LF

OR

A H05VV-F 3G1.5mm² ⊲VDE⊳ KEMA-KEUR CEBEC + ω+ ω+ ω ⊲öVE⊳
 DSNF IEMMEQU NF-USE 1321FC TONGYUAN LF

DRAWN	LI XIA	25/12/17	FILENAME :	TITLE : CABLE MARKING
CHECK	Feng		C-MARKING/H05/	WEE CADDE MARING
APPR	heith	25/12/17	NEW MARKING/H05 W-F 3X1.5 LF-TY	(EU/SAB/IEC)
SCALE	N.T.S.	REV.	F	
REFERENC	E :			Volex (Asia) Pte Ltd
H05VV-F 3X1.5mm ² LF				Confidential property of Volex. Information contained herein shall not be disclosed to others.

REMOVE OLD MARKING PER ECR#160527.EREMOVE NOTE 1.21/1		REV.	DESCRIPTION	DATE
REMOVE OLD MARKING PER ECR#160527.EREMOVE NOTE 1.21/1			CHANGE MARKING PER ECNO04-15.	
E REMOVE NOTE 1. 21/		D	ADD IN NOTE 1.	18/02/16
			REMOVE OLD MARKING PER ECR#160527.	
CABLE MARKING		E	REMOVE NOTE 1.	21/09/16
	CABLE MARKING			

TA HSING(SHENZHEN)

Æ

DRAWN	LI XIA	21/09/16	FILENAME :	TITLE : CABLE MARKING
CHECK	しっかの	2109/10	/TH(SZ)/H05W-F	
APPR	US.	22/8/16	3X1.50 - LF	(EU/SAA/IEC)
SCALE	N.T.S.	REV.	E	
REFERENC				Volex (Asia) Pte Ltd
HO!	5VV-F 30	31.5mm²	LF	Confidential property of Voles. Information contained herein shail not be disclosed to others, reproduced or used for any other purposes except as authorized in writing bits an unhorized afficial of where sale

2. PLUG

REV	DESCRIPITION	DATE
AD	ADD IN CATALOG NO. CSUK13A3.	10/01/18
AE	ADD IN CATALOG NO. VBUK13A2.	28/06/18

2.1. SCOPE

The plug shall be in accordance with BS 1363 Part 1,

(Specification for up to 13A fused plugs, switched and unswitched socket-outlets)

2.2. CONSTRUCTION

The plug construction shall comply with our catalogue No: MP5004, MP5004A, MP5004AW, MP5004H, MP5004SC, UK13A2,UK13CBA2,UK10SC3, MP5004BS, MP5004V, UK13A3, MP5004DBS, MP5004D, VPUK13A3, VPUK13A2, DS13CA2, APUK13A2, APUK13A3, DS13EA2, MFUK13A2, DLUK10S3, VNUK13A3, LSUK13THA3, VNUK13A2, CSUK13A3 & *VBUK13A2*

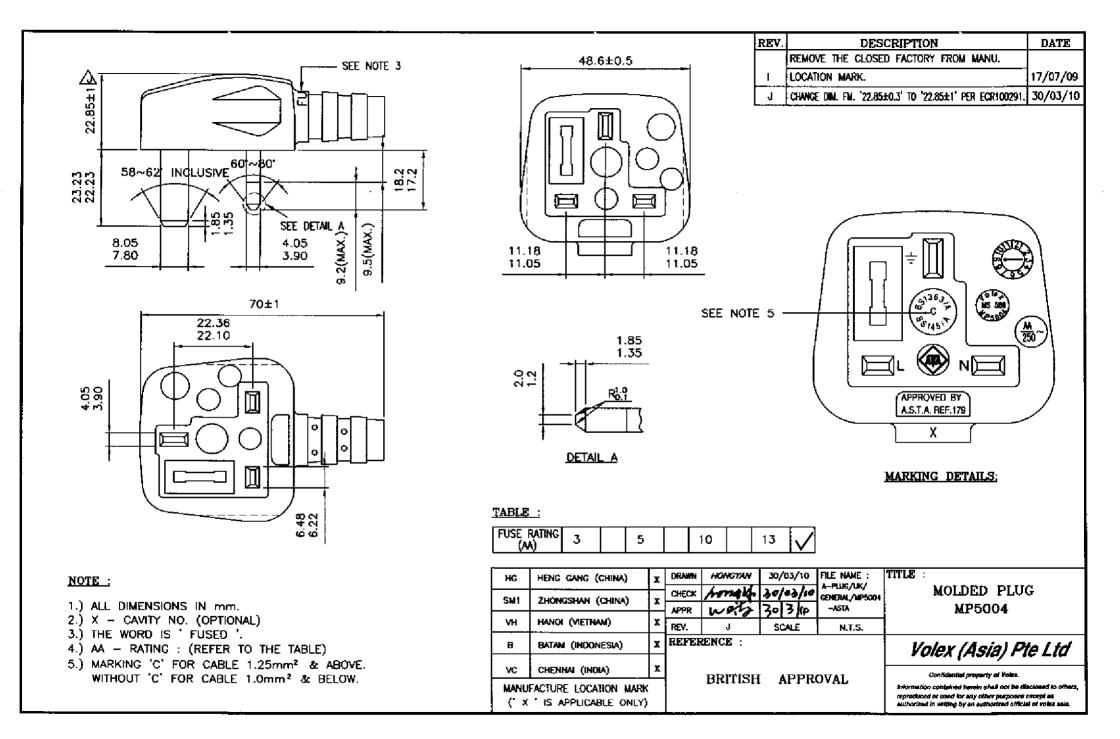
2.3. CHARACTERISTICS

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
1.	Moisture resistance test	Samples are kept in a humidity cabinet con- taining air with a relative humidity between 85 to 95% and a temperature of 20°C-30°C for a duration of 48 hours.	No damage
2.	Electric strength test	A voltage of A.C 2000V with a trip current of min. 100mA is applied for 1 min after the moisture resistance test. A voltage of A.C 6000V is also applied between current carrying parts and body for 1 min.	No flashover and breakdown
3.	Insulation resistance test	This test is measured with a D.C 500V for 1 min. after the moisture resistance test.	Min. 5 M Ohm
4.	Flexing test	The sample shall be loaded with a weight of 1kg for 0.75mm^2 or less, or 2kg for 1.00mm^2 and above and the oscillating member shall be moved backward and forward through an angle of $90^{\circ}(45^{\circ}$ on either side of the vertical) the number of flexing being 10,000.Rated current of the plug is passed.	No damage to the insulation and the breakage of conductor of each core shall not exceed 10%.
5.	Tumbling test	The samples are dropped from a height of 50cm onto a plywood base(10mm thick) for a total of 5000 times.	No damage
6.	Abrasion test	The pin of sample slopes downwards at angle of 10° to the horizontal. The sample is loaded with a force of 4N on the sleeve of the pin. The number of movement is 20,000 and the length of pin subjected to abrasion is approx. 7mm over the insulating sleeve.	No damage

DRAWN:	WANGHUI	28/06/18	TITLE :
CHECK:	hongyan	28/06/18	
APPR:	heith	28/06/18	BRITISH PLUG
REV:	AE		
REFERENCE:			Volex (Asia) Pte Ltd
			Confidential property of Volex.

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
7.	Heat deformation test	The samples are kept for 1 hour in a heating carbinet at temperature of $70\pm5^{\circ}C$.	no damage and withstand electric strength test.
8.	Ageing test	The samples are kept for 7 days in a heating carbinet at temperature of $70\pm5^{\circ}$ C. It is then put in room temperature for 4 hours.	no damage
9.	Temperature rise test	Rated current of the plug is passed for at least 4 hours. This test is repeated on the same sample after tumbling barrel test.	Rise in temperature for joints shall not exceed 52K while the rest shall not exceed 37K.
10.	Cord-anchorage test	The cord is subjected to a load of 3kg for (1.0mm ² or smaller) or 6kg (the rest) 25 times without jerk. The cord is then subjected to a torque of 0.15Nm (0.5mm ²), 0.2Nm (0.75mm ²), 0.25Nm (1.0mm ²), 0.3Nm (1.25mm ²), 0.35Nm (1.5mm ²) for 1 min.	Shall withstand a voltage of 3750±75V for 1 min., between each conductor and cord shall not been displaced by more than 2mm.
11.	Pressure test	A force of 20N is applied on the sample for 1 hour at a temperature of 70±5°C.	No damage and shall withstand electric strength and insulation resistance test. The sample must also fit into fig. 5 jig of BS1363.
12.	Ball pressure test	A steel ball of 5mm in diameter is applied with 20N force on the sample at a temperature of $75\pm5^{\circ}$ C for 1 hour. The sample is then cooled by cold water.	The diameter of the impression shall not exceed 2mm.
13	Glow wire test	The tip of the glow wire heated electrically to 750±10°C shall be applied at the portion between the current-carrying pins for a period of 30s.	Any flame and glowing shall extinguish within 30s after the removal of the glow-wire. There shall be no ignition of the tissue papernor sorching of the board.

DRAWN:	WANGHUI	28/06/18	TITLE :
CHECK:	hongyan	28/06/18	
APPR:	heith	28/06/18	BRITISH PLUG
REV:	AE		
EFERENCE			
REFERENCE:			Volex (Asia) Pte Ltd



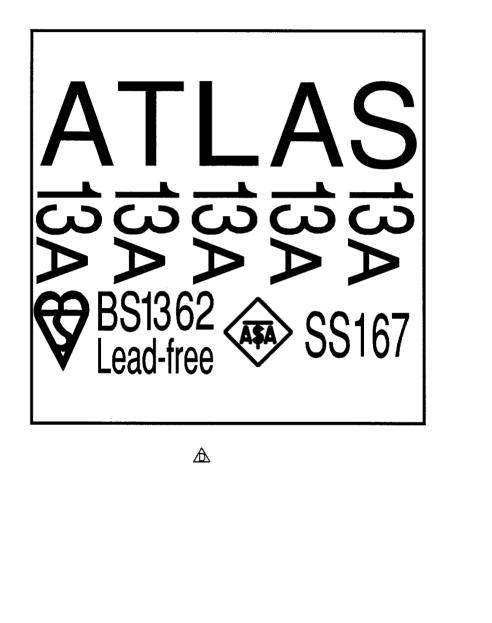
	REV.	DESCRIPTION	DATE
		ADD IN 'TYPE REFERENCE TDC 180	
	Ε	-13A' IN REFERENCE COLUMN.	14/07/08
	F	AMEND NOTE FOR ADD IN ITEM 5.	29/08/08
Bussmer 13 (a) BS 1			

NOTE.

(1) *PRINT BLOCK TOP (DOT LINE) = BUSSMANN INTERNAL IDENTIFICATION ON MACHINERY.
 a: DIFFERENT LOCATION/NUMBER OF DOT LINE INDICATE DIFFERENT MACHINE NUMBER USED.
 b: THE FUSE PRODUCE ON THE MACHINE #20 IS WITHOUT THE PRINT BLOCK TOP (DOT LINE).

DRAWN CHECK	our su Weitz	29/08/08 27 (5 ° 8	REVISION:	TITLE : LEAD FREE
APPR SCALE			F	FUSE (13A)
REFEREN	(TYF	621001 PE REFEI PC 180-1	RENCE	Volex

REV.	DESCRIPTION	DATE
	ADD IN 'REFERENCE E07.013-C'	
С	IN REFERENCE COLUMN.	31/07/08
D	CHANGE MARKING AS SHOWN.	13/11/12



REFERENCE : 6210002 (REFERENCE E07.013-C)			V	'olex
SCALE	N.T.S.	D		
APPR	Nor0 12/11/12	-		FUSE (13A)
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DRAWN	HONGYAN 13/11/12	REVISION:	TITLE :	LEAD FREE

	REV. DESCRIPTION	DATE
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