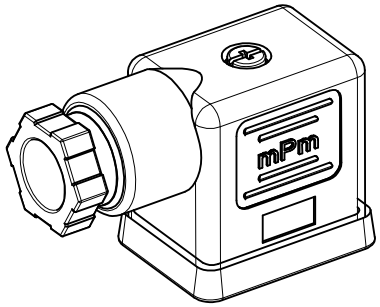
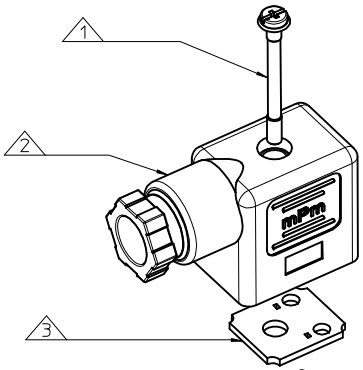
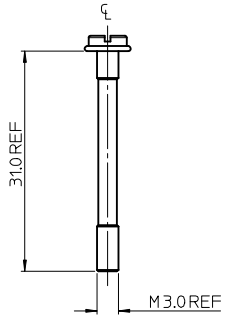
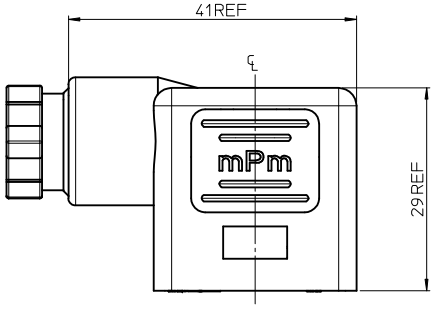
EM-121064-094

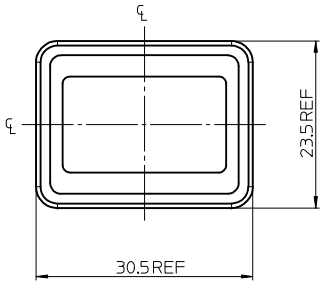


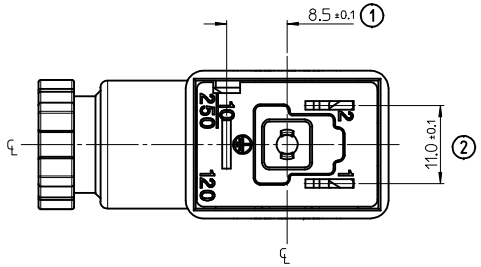


ITEM	DESCRIPTION
1	SCREW
2	COVER ASSEMBLY
3	PCB
4	INSERT ASSEMBLY
5	GASKET









S02209TA111**

SERIES
S02= INTERNAL THREAD FORM B
POLES
2= 2 POLE
THREAD
07= PG7, 09= PG9 11= PG11, M2= M12x1.5, M6= M16x1.5,
M0= M20x1.5, 39= PG9 WITH STRAIN RELIEF
MATERIAL AND HOUSING COLOUR
G= PA6 GRAY, N= PA6 BLACK, W= PA6 BLACK V0,
T= PA12 TRANSPARENT, B= PA6 WHITE
CIRCUIT
SEE DETAILS IN CATALOGUE
VOLTAGE
SEE DETAILS IN CATALOGUE
SCREW AND GASKET
1= NBR PROFILE GASKET & SCREW
2= NBR FLAT GASKET & SCREW
3= WHITE SILICON PROFILE GASKET & SCREW
4= WHITE SILICON FLAT GASKET & SCREW
A= NBR PROFILE GASKET AND SCREW +2mm
B= NBR FLAT GASKET AND SCREW +2mm

NON STANDARD COMPONENTS
04= EARTH POSITION AT H6
14= PACKED IN NEUTRAL BAG
A= SCREW 2mm LONGER THAN STANDARD
5A= SINGLE BAGGED WITH 500 IN A BOX
5J= 100 IN A BOX
5N= PACKED IN BOXES OF 200
SA= UL LISTED

NOTES
1. PLEASE SEE SHEET 2 FOR CURRENTLY CONFIGURED PART NUMBERS.
   FOR SPECIFIC PART NUMBERS PLEASE CONTACT SALES OR CONSULT
   THE INTELLIGENT PART NUMBERS IN THE TABLE ATTACHED.
2. EARTH POSITION SHOWN, H6.
3. PRODUCT SPEC: SEE PS-121201-001, WITH EXCEPTION.
4. FOR PACKAGING SEE PACKAGING SPEC PK-121065-S02.

LAST INSPECTION NUMBER 2

REV	DESCRIPTION	DRWN	CHKD	APPR	DATE
3	UPDATED NOTE 3 EC NO: IPG2015-1871	MD		STGRIFFIN	2015/05/13 2015/04/28

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	JOCONNOR	DATE 2011/05/18
CHECKED BY	DMAHER	DATE 2011/05/19
APPROVED BY	EFOLAN	DATE 2011/06/07

TITLE: S02 SERIES INTERNAL THREAD

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2 & 3
DOCUMENT NO.: SD-121064-005
SHEET NO.: 1 OF 3
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PART No.	mPm PART No.	DESCRIPTION	CIRCUIT	VOLTAGE	INDICATOR
1210641752	S02209TA111	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	12V	RED LED/LAMP
1210641404	S02209TA11B	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, & SCREW +2mm	A1	12V	RED LED/LAMP
1210640058	S02209TA121	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	24V	RED LED/LAMP
1210641584	S022M2TA121	TYPE B 2P M12x1.5 TRANSPARENT NBR PROFILE GASKET	A1	24V	RED LED/LAMP
1210640004	S02207TA121	TYPE B 2P PG7 TRANSPARENT NBR PROFILE GASKET	A1	24V	RED LED/LAMP
1210640087	S02209TC321	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C3	24V	RED LED/LAMP
1210640135	S02239TC321	TYPE B 2P PG9 W/STRAIN RELIEF TRANSPARENT NBR PROFILE GASKET	C3	24V	RED LED/LAMP
1210641593	S02207TC321	TYPE B 2P PG7 TRANSPARENT NBR PROFILE GASKET	C3	24V	RED LED/LAMP
1210640095	S02209TC411	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	12V	RED LED/LAMP
1210640007	S02207TC421	TYPE B 2P PG7 TRANSPARENT NBR PROFILE GASKET	C4	24V	RED LED/LAMP
1210640097	S02209TC421	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	24V	RED LED/LAMP
1210650081	S02209TC4215J	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET IN BOXES OF 100	C4	24V	RED LED/LAMP
1210641406	S022M6TC421	TYPE B 2P M16x1.5 TRANSPARENT NBR PROFILE GASKET	C4	24V	RED LED/LAMP
1210641742	S02209TC322	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C3	24V	RED LED/LAMP
1210640060	S02209TA122	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	A1	24V	RED LED/LAMP
1210650061	S02209TA12204	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, EARTH AT H6 POSITION	A1	24V	RED LED/LAMP
1210640061	S02209TA12B	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, & SCREW +2mm	A1	24V	RED LED/LAMP
1210640062	S02209TA131	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	48V	RED LED/LAMP
1210641580	S022M0TC421	TYPE B 2P M20x1.5 TRANSPARENT NBR PROFILE GASKET	C4	24V	RED LED/LAMP
1210640101	S02209TC42B	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, & SCREW +2mm	C4	24V	RED LED/LAMP
1210650080	S02209TC4215A	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET SINGLE BAGGED 500 IN A BOX	C4	24V	RED LED/LAMP
1210641668	S02209TC42114	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET IN NEUTRAL BAG	C4	24V	RED LED/LAMP
1210640064	S02209TA141	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	115V	RED LED/LAMP
1210640005	S02207TA141	TYPE B 2P PG7 TRANSPARENT NBR PROFILE GASKET	A1	115V	RED LED/LAMP
1210640066	S02209TA142	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	A1	115V	RED LED/LAMP
1210640067	S02209TA14B	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, & SCREW +2mm	A1	115V	RED LED/LAMP
1210640068	S02209TA151	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	230V	RED LED/LAMP
1210641409	S02209TC332	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C3	48V	RED LED/LAMP
1210640035	S02209ND021	TYPE B 2P PG9 BLACK NBR PROFILE GASKET	D0	24V	DIODE
1210640069	S02209TA152	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	A1	230V	RED LED/LAMP
1210640070	S02209TA15B	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET, & SCREW +2mm	A1	230V	RED LED/LAMP
1210640102	S02209TC431	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	48V	RED LED/LAMP
1210641675	S02209TC4315A	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET SINGLE BAGGED 500 IN A BOX	C4	48V	RED LED/LAMP
1210640028	S02209BC432	TYPE B 2P PG9 WHITE NBR FLAT GASKET	C4	48V	RED LED/LAMP
1210640037	S02209ND041	TYPE B 2P PG9 BLACK NBR PROFILE GASKET	D0	115V	DIODE
1210640071	S02209TA1B1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	24V	GREEN LED
1210640038	S02209ND051	TYPE B 2P PG9 BLACK NBR PROFILE GASKET	D0	230V	DIODE
1210640104	S02209TC441	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	115V	RED LED/LAMP
1210640072	S02209TA1B2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	A1	24V	GREEN LED
1210640106	S02209TC442	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	115V	RED LED/LAMP
1210641674	S02209TC4415A	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET SINGLE BAGGED 500 IN A BOX	C4	115V	RED LED/LAMP
1210641613	S022M2TS021	TYPE B 2P M12x1.5 TRANSPARENT NBR PROFILE GASKET	S0	24V	RED LED/LAMP
1210640009	S02207TC441	TYPE B 2P PG7 TRANSPARENT NBR PROFILE GASKET	C4	115V	RED LED/LAMP
1210640108	S02209TC451	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	230V	RED LED/LAMP
1210640076	S02209TA1E2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	A1	230V	GREEN LED
1210640049	S02209TA041	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A0	115V	RED LED/LAMP
1210640044	S02209TA011	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A0	12V	RED LED/LAMP
1210640052	S02209TA051	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A0	230V	RED LED/LAMP
1210641376	S022M6TC022	TYPE B 2P M16x1.5 TRANSPARENT NBR FLAT GASKET	C0	24V	RED LED/LAMP
1210640080	S02209TC021	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C0	24V	RED LED/LAMP
1210640045	S02209TA021	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A0	24V	RED LED/LAMP
1210640092	S02209TC351	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C3	230V	RED LED/LAMP

SEE SHEET ONE
EC NO: IPG2015-1871 2015/04/28
DRWN:BCAFFREY 2015/05/13
CHKD:
APPR:STGRIFFIN
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JOCONNOR DATE: 2011/05/18
CHECKED BY: DMAHER DATE: 2011/05/19
APPROVED BY: EFOLAN DATE: 2011/06/07

TITLE: S02 SERIES INTERNAL THREAD

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-121064-005
SHEET NO.: 2 OF 3
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PART No.	mPm PART No.	DESCRIPTION	CIRCUIT	VOLTAGE	INDICATOR
1210640093	S02209TC3B1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C3	24V	GREEN LED
1210640039	S02209NE051	TYPE B 2P PG9 BLACK NBR PROFILE GASKET	E0	230V	DIODE
1210641555	S02209WE051A	TYPE B 2P PG9 BLACK V0 NBR PROFILE GASKET & SCREW +2mm	E0	230V	DIODE
1210641364	S022M6NE052	TYPE B 2P M16x1.5 BLACK NBR FLAT GASKET	E0	230V	DIODE
1210640129	S02209WE051	TYPE B 2P PG9 BLACK V0 NBR PROFILE GASKET	E0	230V	DIODE
1210640040	S02209NE052	TYPE B 2P PG9 BLACK NBR FLAT GASKET	E0	230V	DIODE
1210641679	S02209NE05114	TYPE B 2P PG9 BLACK NBR PROFILE GASKET IN NEUTRAL BAG	E0	230V	DIODE
1210640110	S02209TC452	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	230V	RED LED/LAMP
1210650089	S02209TC4515A	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET SINGLE BAGGED 500 IN A BOX	C4	230V	RED LED/LAMP
1210641666	S02209TC45114	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET IN NEUTRAL BAG	C4	230V	RED LED/LAMP
1210641649	S022M0TC4B1	TYPE B 2P M20x1.5 TRANSPARENT NBR PROFILE GASKET	C4	24V	GREEN LED
1210640114	S02209TC4B2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	24V	GREEN LED
1210640113	S02209TC4B1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	24V	GREEN LED
1210640117	S02209TC4D2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	115V	GREEN LED
1210641750	S02209TC4D1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	115V	GREEN LED
1210640119	S02209TC4E2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	230V	GREEN LED
1210641343	S02209TC4G1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	12V	AMBER LED
1210640120	S02209TC4H1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	24V	AMBER LED
1210641375	S022M6TC4H1	TYPE B 2P M16x1.5 TRANSPARENT NBR PROFILE GASKET	C4	24V	AMBER LED
1210641601	S02209TC4K2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	48V	AMBER LED
1210641344	S02209TC4K1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	48V	AMBER LED
1210640123	S02209TC4L2	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	115V	AMBER LED
1210640122	S02209TC4L1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	115V	AMBER LED
1210640094	S02209TC3H1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C3	24V	AMBER LED
1210641686	S02209TC3L1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C3	115V	AMBER LED
1210640077	S02209TA1H1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	24V	AMBER LED
1210640124	S02209TC4M1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	C4	230V	AMBER LED
1210640078	S02209TA1L1	TYPE B 2P PG9 TRANSPARENT NBR PROFILE GASKET	A1	115V	AMBER LED
1210641764	S022M6TC321	TYPE B 2P M16x1.5 TRANSPARENT NBR PROFILE GASKET	C3	24V	RED LED/LAMP
1210640099	S02209TC422	TYPE B 2P PG9 TRANSPARENT NBR FLAT GASKET	C4	24V	RED LED/LAMP
1210641794	S022M6TC421SA	TYPE B 2P M16x1.5 TRANSPARENT NBR PROFILE GASKET, UL LISTED	C4	24V	RED LED

SEE SHEET ONE
EC NO: IPG2015-1871 2015/04/28
DRWN:BCAFFREY
CHKD:
APPR:STGRIFFIN 2015/05/13
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

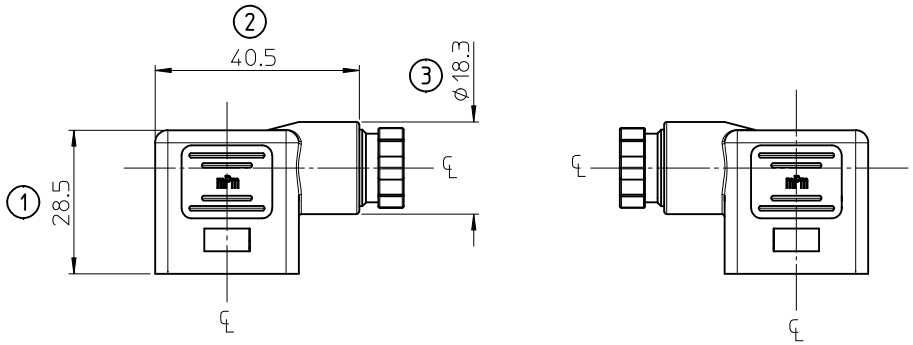
DRAWN BY: JOCONNOR DATE: 2011/05/18
CHECKED BY: DMAHER DATE: 2011/05/19
APPROVED BY: EFOLAN DATE: 2011/06/07

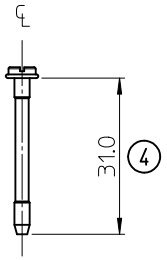
TITLE: S02 SERIES INTERNAL THREAD

molex MOLEX INCORPORATED

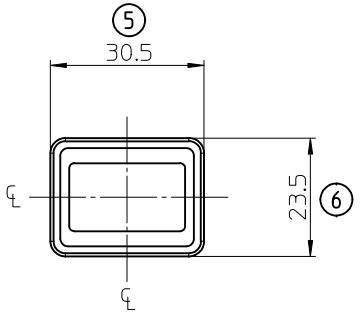
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-121064-005
SHEET NO.: 3 OF 3
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

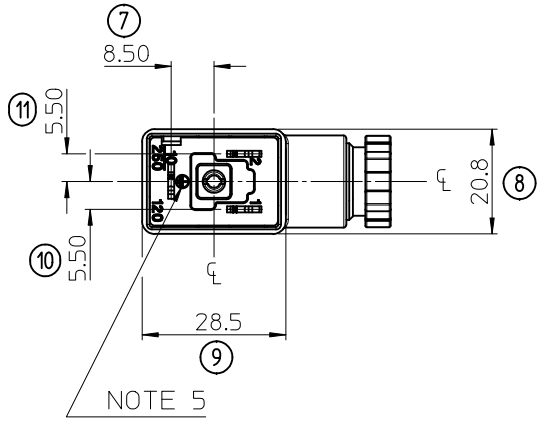


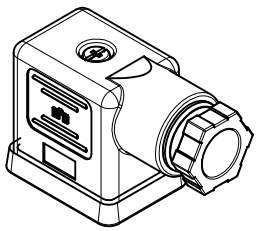


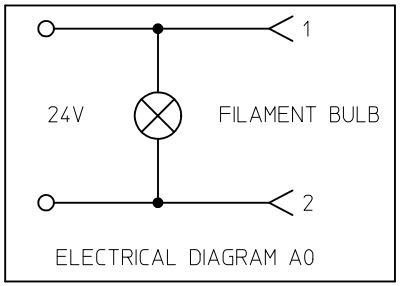
31mm M3 SCREW



G13 GASKET







ELECTRICAL DIAGRAM A0

FINISHED GOOD PART NO	
S02209TA021	
1210640045	
PART NO.	DESCRIPTION / QUANTITY
1211310058	S02 COVER ASSEMBLY, PG9, TRANSPARENT — 100
1211330747	S022 INSERT ASSEMBLY WITH A0 CIRCUIT, 24V, FILAMENT BULB — 100
1211290003	BAG OF 100 SCREWS — 1
1211290084	BAG OF 100 GASKETS — 1

NOTES:
1. PRODUCT SPEC: PS-121201-001
2. PACKAGING: STANDARD BOX 1211160003, FIVE STANDARD BOXES INTO A BIGGER BOX 1211160004
3. SPQ: 100, MOQ: 100
4. LABELLING: MOLEX STANDARD LABEL
5. EARTH POSITION: H12
6. PARTS SHOULD BE BULK PACK MOUNTED

LAST INSPECTION NUMBER USED: 11

ORIGINAL RELEASE
EC NO: WEU2011-0476 2011/03/16
DRWN:DSHEA 2011/03/16
CH'KD:DMAHER 2011/04/04
APPR:EFOLAN
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DSHEA DATE: 2011/03/16
CHECKED BY: DMAHER DATE: 2011/03/16
APPROVED BY: EFOLAN DATE: 2011/04/04

TITLE: S022 SERIES FIELD ATTACHABLE S02209TA021

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-121064-045
SHEET NO.: 1 OF 1
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION