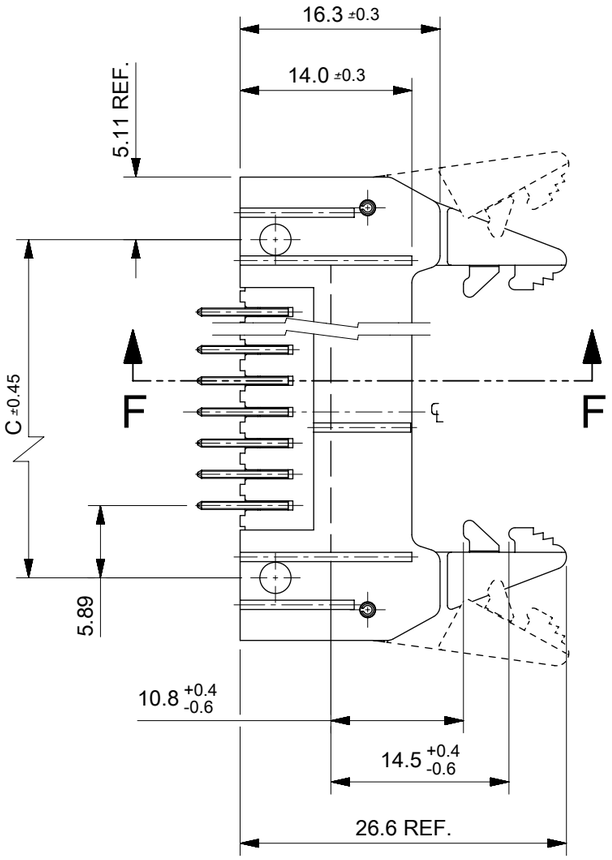
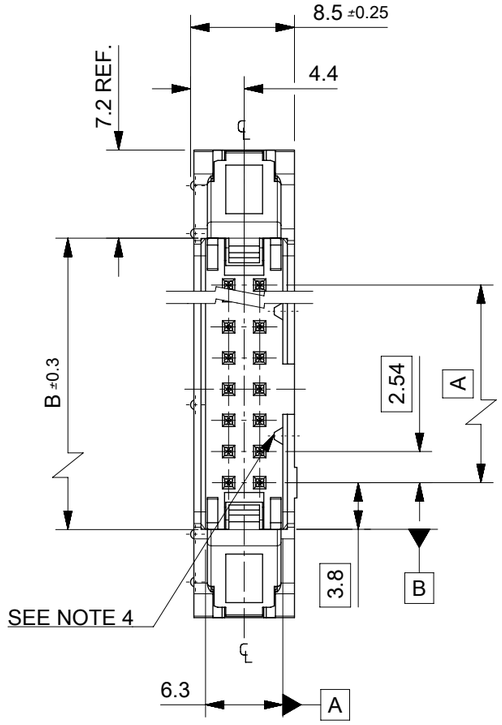
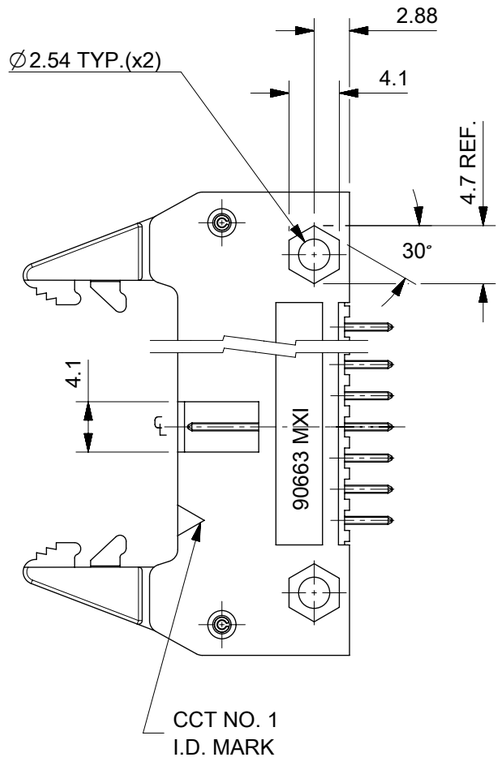
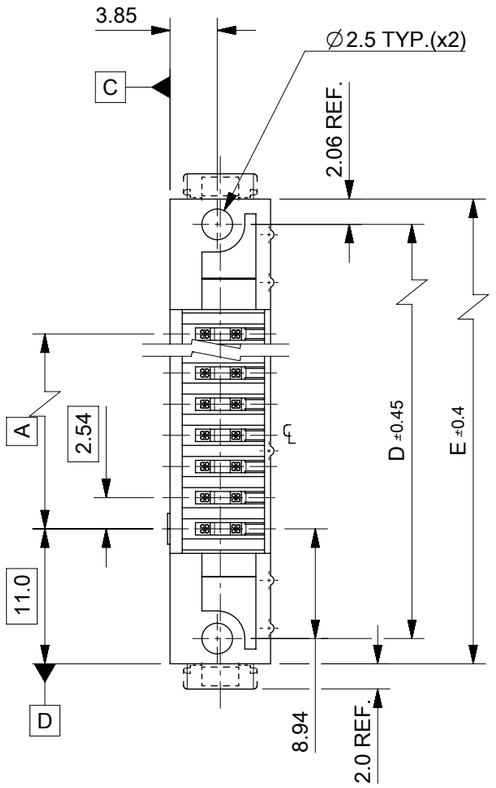
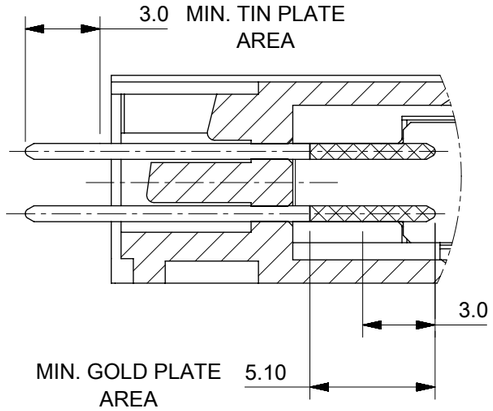


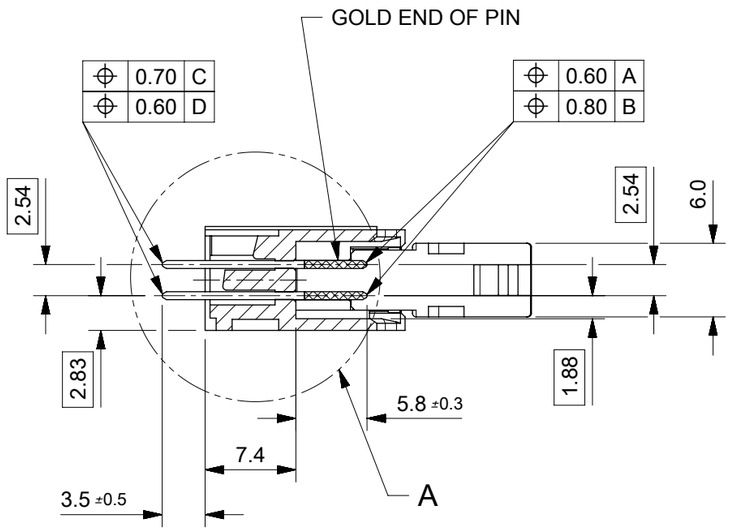








DETAIL A
SCALE 4:1
DIMENSIONS FOR SELECTIVE PLATING'S



SECTION F-F

NOTES:
1. FOR MATERIAL SPECIFICATION SEE NOTE 1. ON SHEET 2.
2. FOR RECOMMENDED P.C.B. HOLE PATTERN, PART NO'S AND UNSTATED DIMENSIONS SEE SHEET 2.
3. PRODUCT SPEC. NO: PS-99020-0015
4. THIS RIB IS NOT PRESENT ON 10 & 14 CKT PARTS.

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: POB 1990/08/03
APPR: JDENNEHY 2004/11/24

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	90663

molex

QF50 SRD HDR
VT W/ELV

PRODUCT CUSTOMER DRAWING

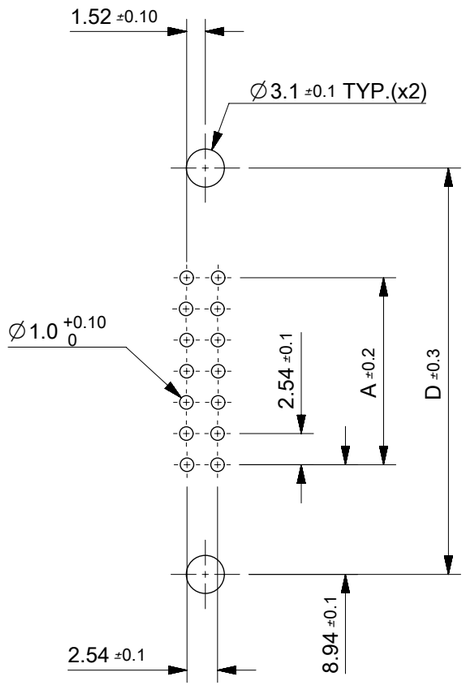
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

FORMAT: master-sheet-A3
REVISION: H
DATE: 2018/01/18

A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	NO. OF CKTS
78.74	86.34	90.52	96.62	100.74	90663-1641	90663-1642	90663-1643	64
73.66	81.26	85.44	91.54	95.66	-1601	-1602		60
60.96	68.56	72.74	78.84	82.96	-1501	-1502		50
48.26	55.86	60.04	66.14	70.26	-1401	-1402		40
40.64	48.24	52.42	58.52	62.64	-1341	-1342		34
35.56	43.16	47.34	53.44	57.56	-1301	-1302		30
30.48	38.08	42.26	48.36	52.48	-1261	-1262		26
22.86	30.46	34.64	40.74	44.86	-1201	-1202		20
17.78	25.38	29.56	35.66	39.78	-1161	-1162		16
15.24	22.84	27.02	33.12	37.24	-1141	-1142	90663-1143	14
10.16	17.76	21.94	28.04	32.16	90663-1101	90663-1102		10



RECOMMENDED P.C.B. HOLE PATTERN

NOTES:
1. MATERIAL: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   PINS: BRASS SIZE 0.635.
   LEVER: GLASS FILLED POLYESTER(UL 94 V0), COLOUR-BLACK.
2. PLATING OPTIONS.
   90663-1**1, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS1 PLATING 0.1µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
   90663-1**2, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS2 PLATING 0.76µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
   90663-1**3, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS3 PLATING 0.25µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
3. RECOMMENDED PCB THICKNESS 1.6mm

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: POB 1990/08/03
APPR: JDENNEHY 2004/11/24

molex

QF50 SRD HDR
VT W/ELV

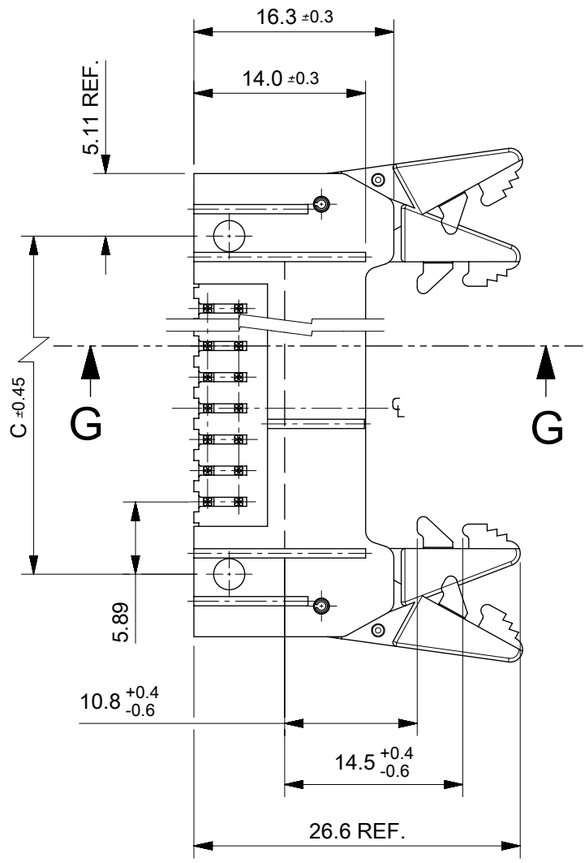
PRODUCT CUSTOMER DRAWING

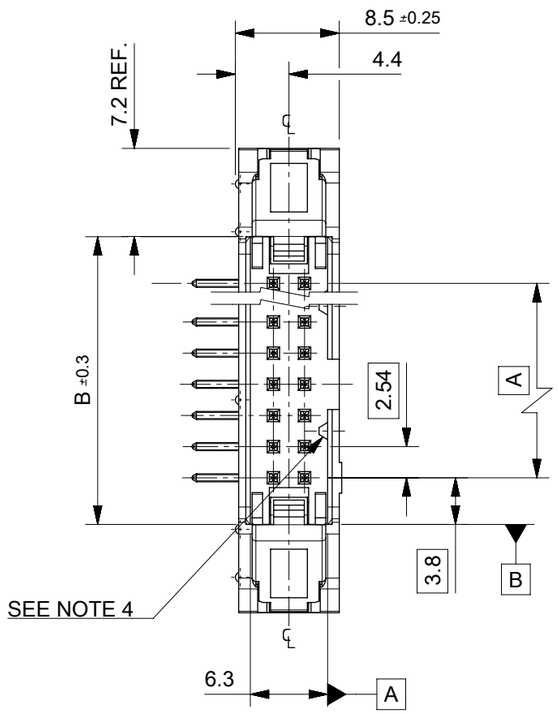
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

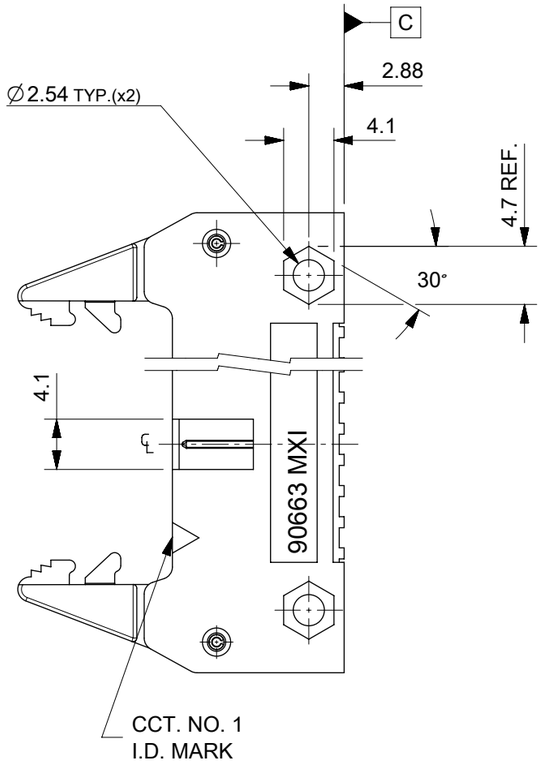
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	90663	SEE CHART	GENERAL MARKET	2 OF 6

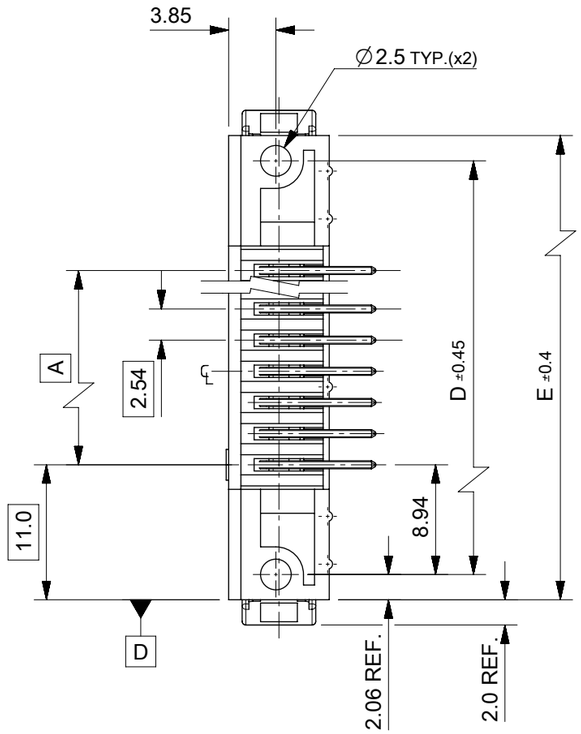
DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

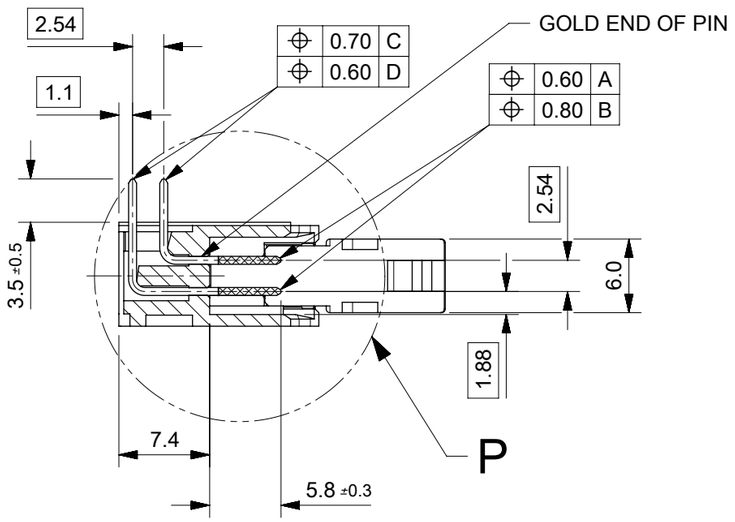
FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



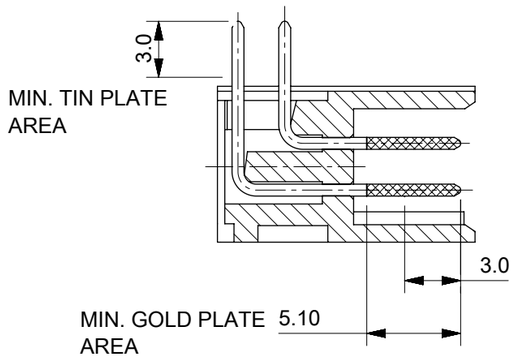








SECTION G-G



DETAIL P
SCALE 3:1
DIMENSIONS FOR SELECTIVE PLATING'S

NOTES:
1. FOR MATERIAL SPECIFICATION SEE NOTE 1. ON SHEET 4.
2. FOR RECOMMENDED P.C.B. HOLE PATTERN, PART NO'S AND UNSTATED DIMENSIONS SEE SHEET 4.
3. PRODUCT SPEC. NO: PS-99020-0015
4. THIS RIB IS NOT PRESENT ON 10 & 14 CKT PARTS.

DIMENSION UNITS	mm
SCALE	2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: POB 1990/11/07
APPR: JDENNEHY 2004/11/24

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90663

molex

QF50 SRD HDR
RA KEY W/ELV

PRODUCT CUSTOMER DRAWING

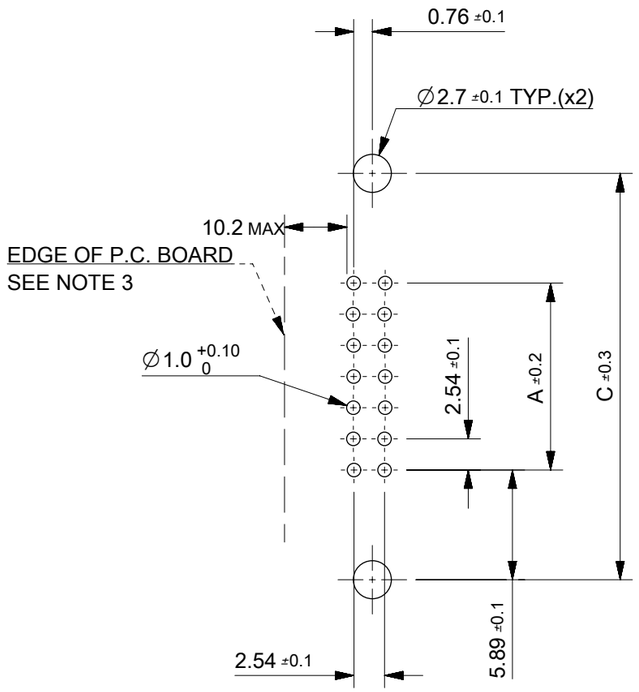
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 4	GENERAL MARKET	3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

FORMAT: master-lb-prod-A3
REVISION: H
DATE: 2018/01/18

A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	NO. OF CKTS
78.74	86.34	90.52	96.62	100.74	90663-3641	90663-3642		64
73.66	81.26	85.44	91.54	95.66	-3601	-3602		60
60.96	68.56	72.74	78.84	82.96	-3501	-3502		50
48.26	55.86	60.04	66.14	70.26	-3401	-3402	90663-3403	40
40.64	48.24	52.42	58.52	62.64	-3341	-3342	90663-3343	34
35.56	43.16	47.34	53.44	57.56	-3301	-3302		30
30.48	38.08	42.26	48.36	52.48	-3261	-3262	90663-3263	26
22.86	30.46	34.64	40.74	44.86	-3201	-3202		20
17.78	25.38	29.56	35.66	39.78	-3161	-3162	90663-3163	16
15.24	22.84	27.02	33.12	37.24	-3141	-3142		14
10.16	17.76	21.94	28.04	32.16	90663-3101	90663-3102		10



RECOMMENDED P.C.B. HOLE PATTERN

NOTES:
1. MATERIAL: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   PINS: BRASS SIZE 0.635.
   LEVER: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   SPRING PIN: STEEL
2. PLATING OPTIONS.
   90663-3**1, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS1 PLATING 0.1µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
   90663-3**2, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS2 PLATING 0.76µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
   90663-3**3, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS3 PLATING 0.25µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
3. 10.2mm MAX. TO EDGE OF PCB DAISY CHAIN APPLICATIONS
4. RECOMMENDED PCB THICKNESS 1.6mm

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: POB 1990/11/07
APPR: MW 2000/10/04

molex

QF50 SRD HDR
RA KEY W/ELV

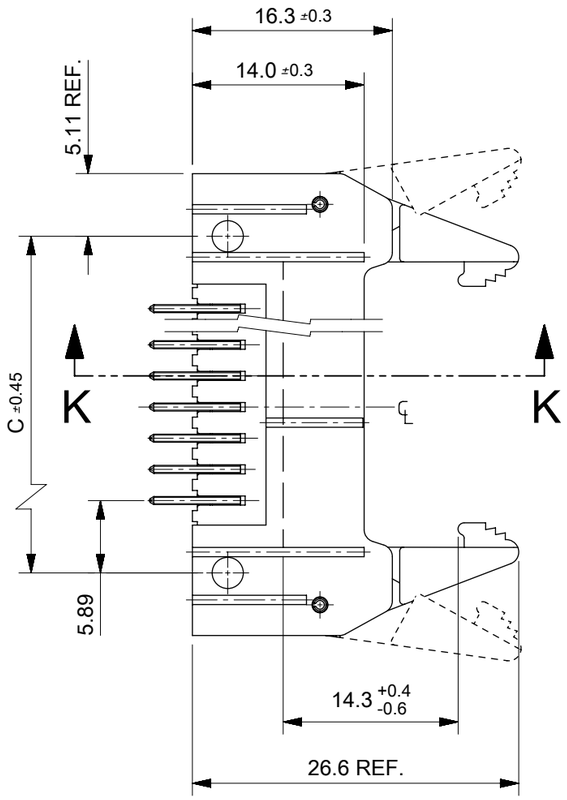
PRODUCT CUSTOMER DRAWING

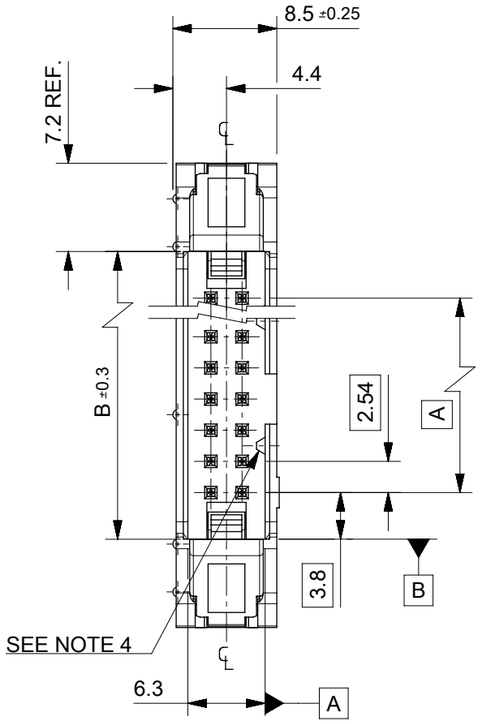
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

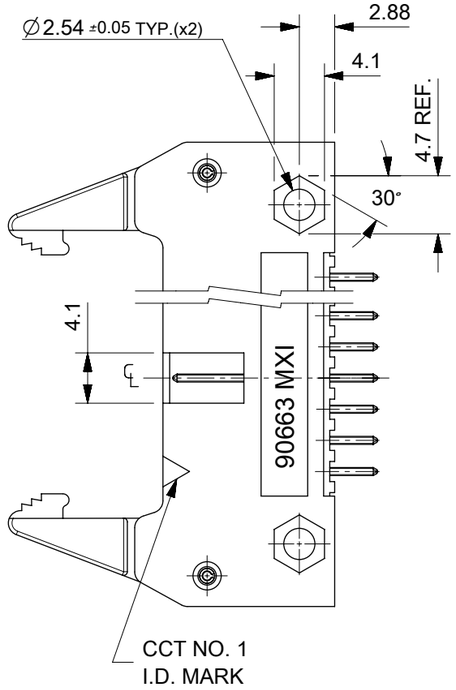
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	90663	SEE CHART	GENERAL MARKET	4 OF 6

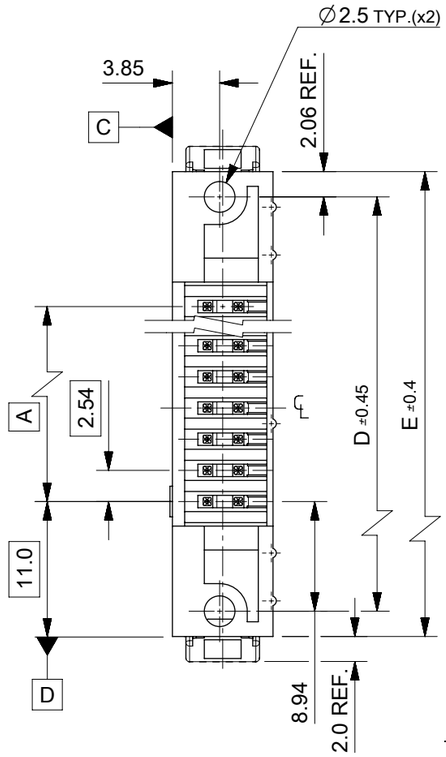
DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

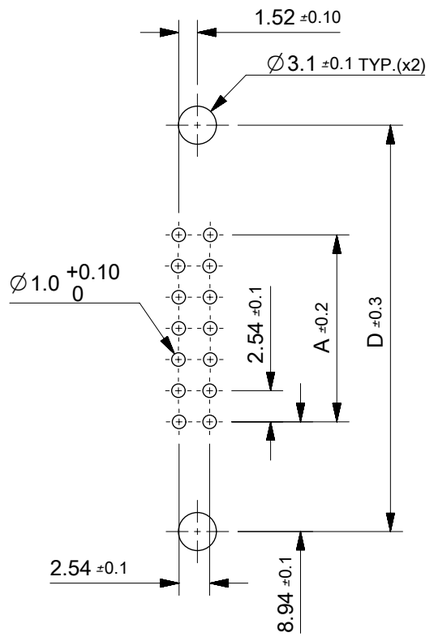
FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



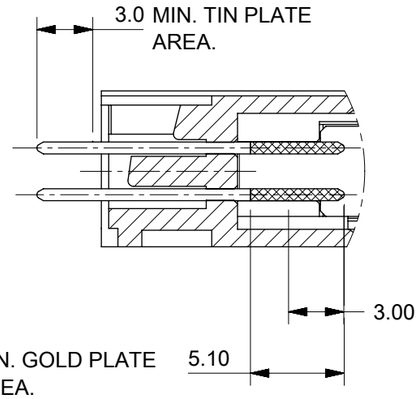








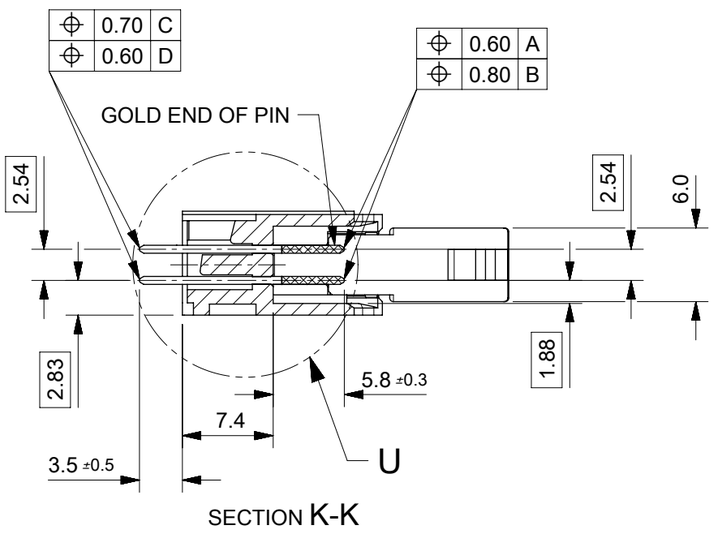
RECOMMENDED P.C.B. HOLE PATTERN



DETAIL U
SCALE 3:1

DIMENSIONS FOR SELECTIVE PLATING'S

MEASURE POINT FOR GOLD PLATING THICKNESS TYP.



SECTION K-K

NOTES:
1. MATERIAL
   HEADER: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   PINS: COPPER ALLOY SIZE 0.635.
   LEVER: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
2. PLATING
   90663-5**2, 3µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS2 PLATING 0.76µ MIN. GOLD. SOLDER AREA 3µm MIN.TIN.
3. PRODUCT SPECIFICATION NO.: PS-99020-0015
4. THIS RIB IS NOT PRESENT ON
   14 CKT PARTS.
5. RECOMMENDED PCB THICKNESS 1.6mm

A	B	C	D	E	ENG. NO. GS2 PLATING	NO. OF CKTS.
40.64	48.24	52.42	58.52	62.64	90663-5342	34
17.78	25.38	29.56	35.66	39.78	90663-5162	16
15.24	22.84	27.02	33.12	37.24	90663-5142	14

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: JDENNEHY 2004/05/14
APPR: JDENNEHY 2004/05/14

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90663

molex

QF50 SRD HDR VT
SRF W/EXT LOCKING LATCH
W/ELV .76AU

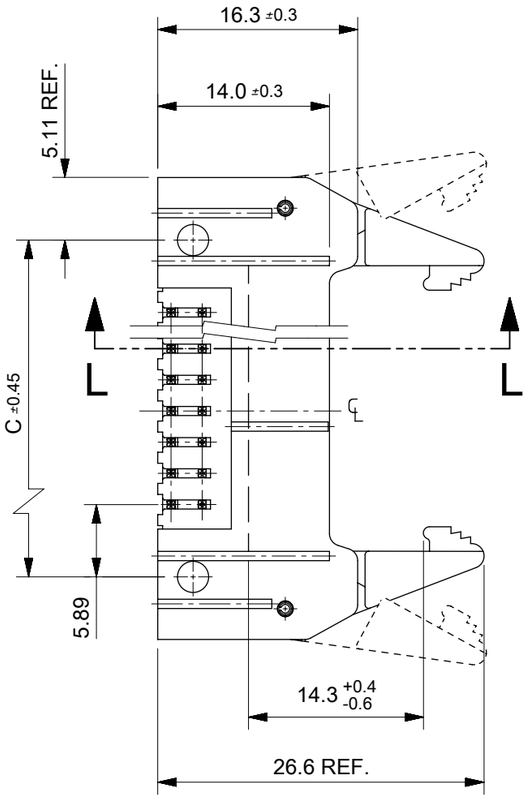
PRODUCT CUSTOMER DRAWING

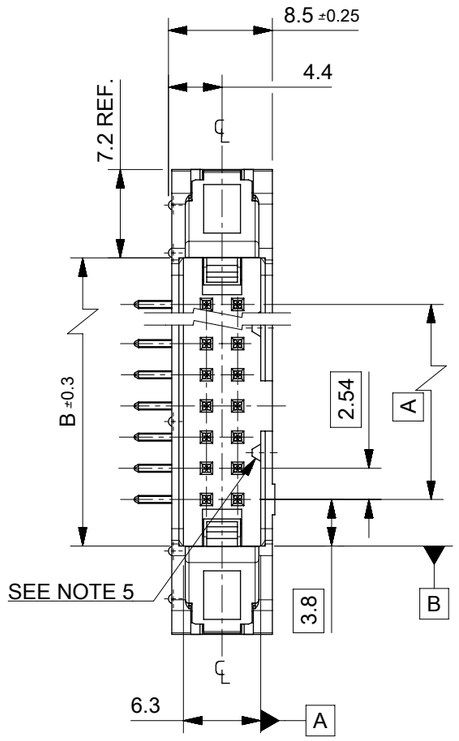
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

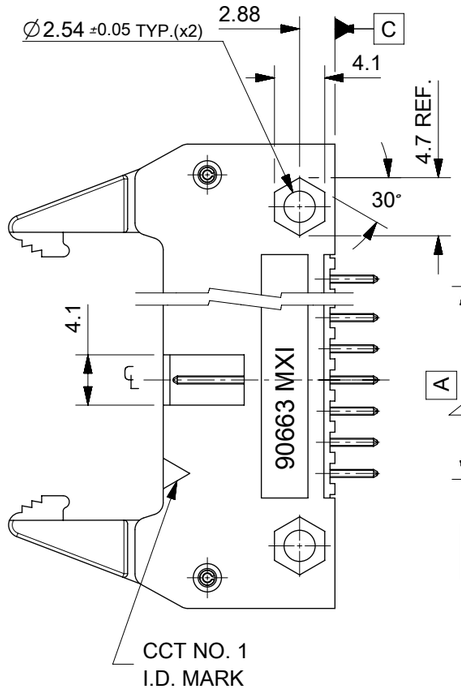
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	5 OF 6

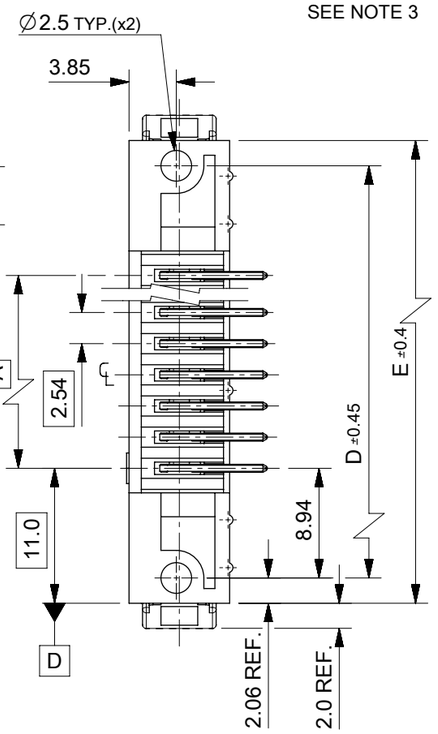
DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

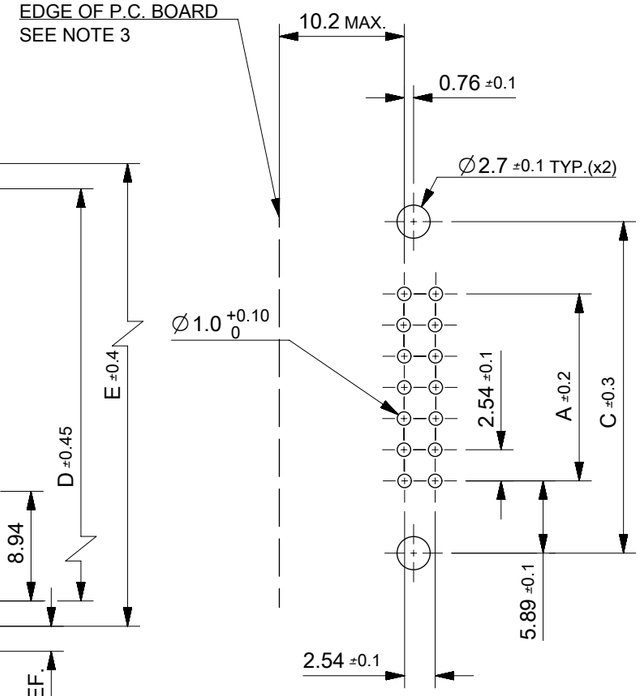
FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



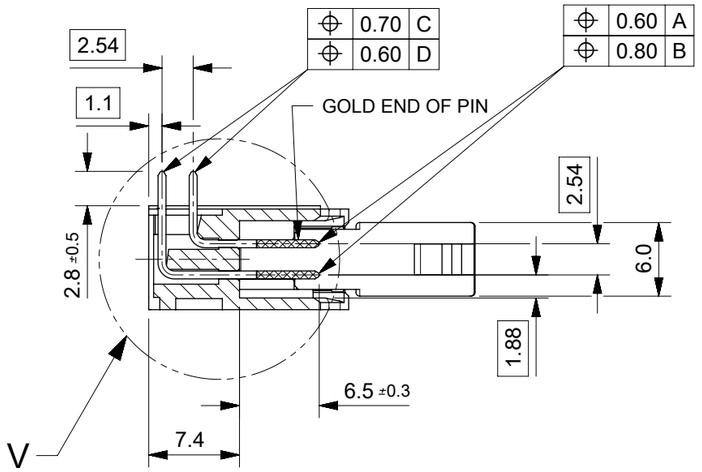




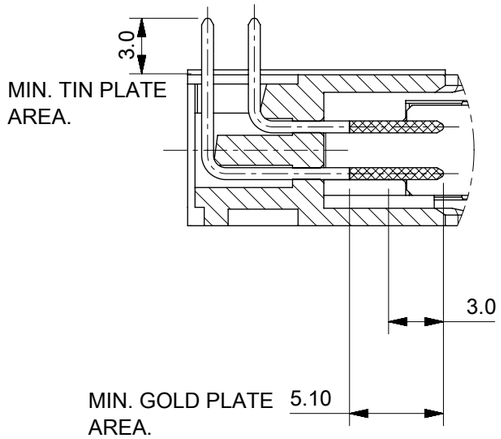




RECOMMENDED P.C.B. HOLE PATTERN



SECTION L-L



DETAIL V
SCALE 3:1
DIMENSIONS FOR SELECTIVE
PLATING'S

NOTES:
1. MATERIAL
   HEADER: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   PINS: BRASS SIZE 0.635.
   LEVER: GLASS FILLED POLYESTER (UL 94 V0), COLOUR-BLACK.
   SPRING PINS: STEEL
2. PLATING
   90663-6**2, 1µm MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS2 PLATING 0.76µ MIN. GOLD. SOLDER AREA 3µm MIN. TIN.
3. 10.2mm MAX. TO EDGE OF PCB FOR DAISY CHAIN APPLICATIONS.
4. PRODUCT SPECIFICATION NO.: PS-99020-0015
5. THIS RIB IS NOT PRESENT ON
   14 CKT PARTS.
6. RECOMMENDED PCB THICKNESS 1.6mm

15.24	22.84	27.02	33.12	37.24	90663-6142	14
A	B	C	D	E	ENG.NO.GS2 PLATING	NO. OF CKTS.

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CAD MIGRATION

EC NO: 605552
DRWN: EEGBEDIRE 2018/10/04
CHK'D: TTOURISH 2019/04/15
APPR: DMAHER 2019/04/15

INITIAL REVISION:
DRWN: JDENNEHY 2004/05/14
APPR: JDENNEHY 2004/05/14

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90663

molex

QF50 SRD HDR RA
SRF W/EXT LOCKING LATCH
W/ELV .76AU

PRODUCT CUSTOMER DRAWING

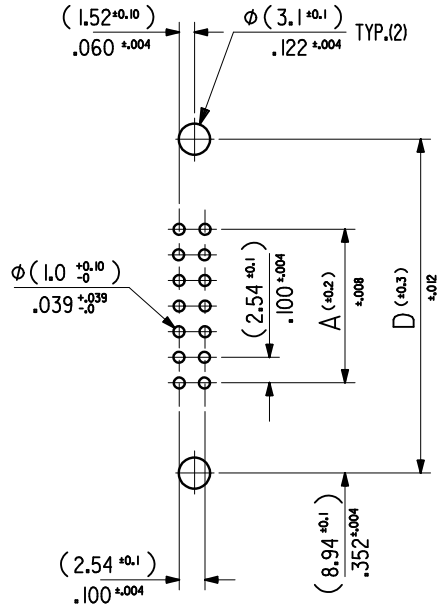
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90663E	PSD	001	K

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	6 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 15:11:58

FORMAT: master-lb-prod-A3
REVISION: H
DATE: 2018/01/18

A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.
(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90663-1641	90663-1642	90663-1643		64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	-1601	-1602	-1603		60
(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	-1501	-1502	-1503	90663-1509	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	-1401	-1402	-1403	-1409	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	-1341	-1342	-1343	-1349	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	-1301	-1302	-1303	-1309	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	-1261	-1262	-1263	-1269	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	-1201	-1202	-1203	-1209	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	-1161	-1162	-1163	-1169	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	-1141	-1142	-1143	-1149	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-1101	90663-1102	90663-1103	90663-1109	10



RECOMMENDED P.C.B.HOLE PATTERN.

NOTES

1. MATERIAL
   HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
   PINS : BRASS SIZE □ (0.635)/.025 .
   LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.

2. PLATING OPTIONS.
   90663-1**1, (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS1 PLATING (0.1um)/.004uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-1**2, (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS2 PLATING (0.76um)/.030uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-1**3, (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS3 PLATING (0.25um)/.010uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN.
   90663-1**9, (0.5-1um)/.020-.040uin NICKEL UNDER (1.0-3.0um)/.039-.118uin TIN. PRE-TIN

3. RECOMMENDED PCB THICKNESS 1.6mm

REMOVED REF'S TO COLOR STAMP
EC NO: E2011-0063 2010/08/12
DRWN: JOCONNOR 2010/08/25
CH'KD: 2010/08/30
APPR: EFOLAN
DESCRIPTION
REV H

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .008
2 PLACES	± 0.20	± .008
1 PLACE	± 0.20	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: POB DATE: 1990/08/03
CHECKED BY: JDENNEHY DATE: 2004/11/24
APPROVED BY: JDENNEHY DATE: 2004/11/24

TITLE: QF50 SRD HDR VT W/ELV

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-90663E
SHEET NO.: 2 OF 9

SIZE A3