

MOLEX P/N	AWG	IMPEANCE (OHM)	LENGTH (mm)	TOLERANCE (+-mm)	DESCRIPTION	PINOUT
1002250100	30	85	152	10	CTRL TO BP	1
1002250101	30	85	300	10	CTRL TO BP	1
1002250102	30	85	500	10	CTRL TO BP	1
1002250103	30	85	600	10	CTRL TO BP	1
1002250104	30	85	1000	15	CTRL TO BP	1
1002250200	30	85	152	10	CTRL TO CTRL	2
1002250201	30	85	300	10	CTRL TO CTRL	2
1002250202	30	85	500	10	CTRL TO CTRL	2
1002250203	30	85	600	10	CTRL TO CTRL	2
1002250204	30	85	1000	15	CTRL TO CTRL	2
1002250300	30	85	152	10	PCIE	3
1002250301	30	85	300	10	PCIE	3
1002250302	30	85	500	10	PCIE	3
1002250303	30	85	600	10	PCIE	3
1002250304	30	85	1000	15	PCIE	3

NOTES:

- MATERIAL:**
 HOUSING - NYLON, UL94-V0
 LATCH - MOLDED INTO HOUSING
 EXPANDO - PET
 CABLE - TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
 SIGNAL AND DRAIN: SOLID COPPER
 PCB - FR4 (HALOGEN FREE)
- THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8643 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0**
- RoHS COMPLIANT. NO EXEMPTIONS**

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS	SCALE		
▽ = 0	mm	5:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL	± 0.5°		
▽ = 0	4 PLACES	±		
▽ = 0	3 PLACES	±		
▽ = 0	2 PLACES	± 0.13		
▽ = 0	1 PLACE	± 0.25		
▽ = 0	0 PLACES	±		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
			D-SIZE	100225

EC NO: 630017		2020/01/06	
DRWN: RCHEN34		2020/01/09	
CHK'D: VPENG01		2020/01/09	
APPR: VPENG01		2020/01/09	
INITIAL REVISION:			
DRWN: CYEH03		2017/12/19	
APPR: VPENG01		2018/08/31	

molex			
8X INTERNAL HD SHORT BODY RIGHT ANGLE DOWN CBL ASSY 85 OHM			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1002250100	PSD	000	G
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE CHART	GENERAL MARKET	1 OF 4	

PINOUT 1

PINOUT 2

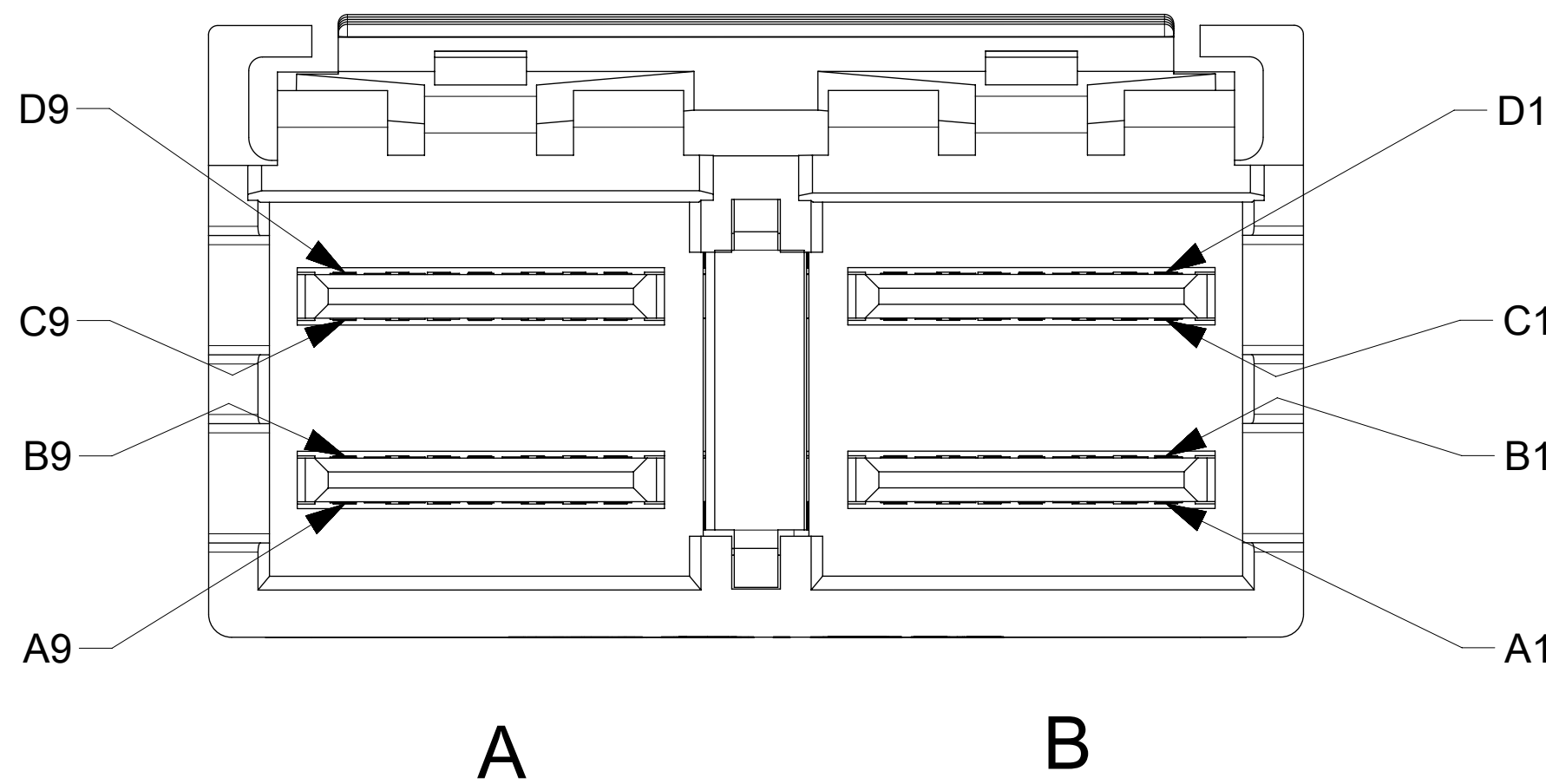
PINOUT 3

P1		NC	P2	
GND	D9	NC	B9	GND
TX2-	D8	----->	B8	RX2-
TX2+	D7	----->	B7	RX2+
GND	D6	-----	B6	GND
TX0-	D5	----->	B5	RX0-
TX0+	D4	----->	B4	RX0+
GND	D3	-----	B3	GND
SB6	D2	=====	D1	SB6
SB5	D1	=====	D2	SB5
SB4	C1	=====	C2	SB4
SB2	C2	=====	C1	SB2
GND	C3	-----	A3	GND
TX1+	C4	----->	A4	RX1+
TX1-	C5	----->	A5	RX1-
GND	C6	-----	A6	GND
TX3+	C7	----->	A7	RX3+
TX3-	C8	----->	A8	RX3-
GND	C9	NC	A9	GND
GND	B9	NC	D9	GND
RX2-	B8	<-----	D8	TX2-
RX2+	B7	<-----	D7	TX2+
GND	B6	-----	D6	GND
RX0-	B5	<-----	D5	TX0-
RX0+	B4	<-----	D4	TX0+
GND	B3	-----	D3	GND
SB1	B2	=====	B1	SB1
SB3	B1	=====	B2	SB3
SB7	A1	=====	A2	SB7
SB0	A2	=====	A1	SB0
GND	A3	-----	C3	GND
RX1+	A4	<-----	C4	TX1+
RX1-	A5	<-----	C5	TX1-
GND	A6	-----	C6	GND
RX3+	A7	<-----	C7	TX3+
RX3-	A8	<-----	C8	TX3-
GND	A9	NC	C9	GND

P1		NC	P2	
GND	D9	NC	B9	GND
TX2-	D8	----->	B8	RX2-
TX2+	D7	----->	B7	RX2+
GND	D6	-----	B6	GND
TX0-	D5	----->	B5	RX0-
TX0+	D4	----->	B4	RX0+
GND	D3	-----	B3	GND
SB6	D2	=====	B2	SB1
SB5	D1	=====	C2	SB2
SB4	C1	=====	B1	SB3
SB2	C2	=====	D1	SB5
GND	C3	-----	A3	GND
TX1+	C4	----->	A4	RX1+
TX1-	C5	----->	A5	RX1-
GND	C6	-----	A6	GND
TX3+	C7	----->	A7	RX3+
TX3-	C8	----->	A8	RX3-
GND	C9	NC	A9	GND
GND	B9	NC	D9	GND
RX2-	B8	<-----	D8	TX2-
RX2+	B7	<-----	D7	TX2+
GND	B6	-----	D6	GND
RX0-	B5	<-----	D5	TX0-
RX0+	B4	<-----	D4	TX0+
GND	B3	-----	D3	GND
SB1	B2	=====	D2	SB6
SB3	B1	=====	C1	SB4
SB7	A1	=====	A2	SB0
SB0	A2	=====	A1	SB7
GND	A3	-----	C3	GND
RX1+	A4	<-----	C4	TX1+
RX1-	A5	<-----	C5	TX1-
GND	A6	-----	C6	GND
RX3+	A7	<-----	C7	TX3+
RX3-	A8	<-----	C8	TX3-
GND	A9	NC	C9	GND

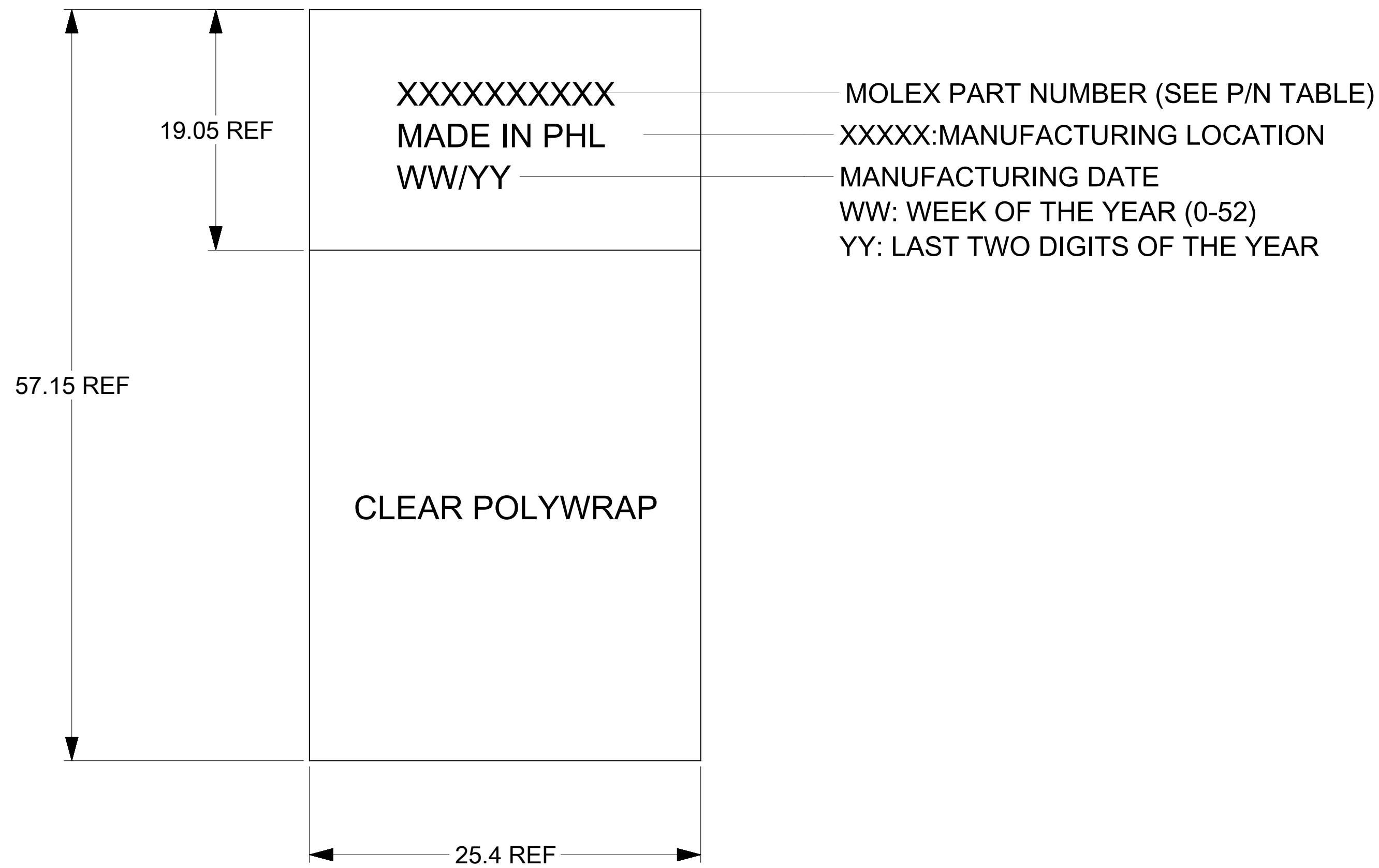
P1		NC	P2	
GND	D9	NC	B9	GND
TX2-	D8	----->	B8	RX2-
TX2+	D7	----->	B7	RX2+
GND	D6	-----	B6	GND
TX0-	D5	----->	B5	RX0-
TX0+	D4	----->	B4	RX0+
GND	D3	-----	B3	GND
SB6	D2	=====	D1	SB6
SB5	D1	=====	D2	SB5
WAKEn	C1	=====	C2	CWAKEn
RSTn	C2	=====	C1	CPERSTn
GND	C3	-----	A6	GND
TX1+	C4	----->	A4	RX1+
TX1-	C5	----->	A5	RX1-
GND	C6	-----	A9	GND
TX3+	C7	----->	A7	RX3+
TX3-	C8	----->	A8	RX3-
GND	C9	NC	C9	GND
GND	B9	NC	D9	GND
RX2-	B8	<-----	D8	TX2-
RX2+	B7	<-----	D7	TX2+
GND	B6	-----	D6	GND
RX0-	B5	<-----	D5	TX0-
RX0+	B4	<-----	D4	TX0+
GND	B3	-----	D3	GND
SB1	B2	=====	B1	SB1
SB3	B1	=====	B2	SB3
CLK+	A1	<-----	A2	CLK+
CLK-	A2	<-----	A1	CLK-
GND	A3	-----	A3	GND
RX1+	A4	<-----	C4	TX1+
RX1-	A5	<-----	C5	TX1-
GND	A6	-----	C3	GND
RX3+	A7	<-----	C7	TX3+
RX3-	A8	<-----	C8	TX3-
GND	A9	-----	C6	GND

===== = THRU LINES
 ----- = GND
 -----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
 NC = NOT CONNECTED



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	DIMENSION UNITS	SCALE			
▽ = 0	mm	7:1			8X INTERNAL HD SHORT BODY RIGHT ANGLE DOWN CBL ASSY 85 OHM
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL ± 0.5°				PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES	±			
▽ = 0	3 PLACES	±			DOCUMENT NUMBER: 1002250100 DOC TYPE: PSD DOC PART: 000 REVISION: G
▽ = 0	2 PLACES	± 0.13			
▽ = 0	1 PLACE	± 0.25			MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 4
▽ = 0	0 PLACES	±			
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
▽ = 0				D-SIZE	100225

LABEL DETAIL



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
= 0	mm	1:1	EC NO: 630017 DRWN: RCHEN34 2020/01/06 CHK'D: VPENG01 2020/01/09 APPR: VPENG01 2020/01/09 INITIAL REVISION: DRWN: CYEH03 2017/12/19 APPR: VPENG01 2018/08/31
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL ± 0.5°		
= 0	4 PLACES ±		
= 0	3 PLACES ±		
= 0	2 PLACES ± 0.13		
= 0	1 PLACE ± 0.25		
= 0	0 PLACES ±		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING SERIES
= 0			D-SIZE 100225
DOCUMENT STATUS		RELEASE DATE	2020/01/09 03:45:27
P1			
DOCUMENT NUMBER		DOC TYPE	DOC PART
1002250100		PSD	000
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
SEE CHART		GENERAL MARKET	3 OF 4

MIGRATED DRAWING

See PDF and DXF file in ORIGINALS
for drawing content

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
= 0	EC NO: 603676 DRWN: PHSU01 CHK'D: VPENG01 APPR: VPENG01	2018/08/30 2018/09/03 2018/09/03	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE						
= 0			ANGULAR TOL ± 0.5 °		mm	1:1						
= 0			4 PLACES ±	DRWN BY		DATE		8X INTERNAL HD SHORT BODY RIGHT ANGLE DOWN CBL ASSY 85 OHM				
= 0			3 PLACES ±	TPRATT		2014/04/23						
= 0			2 PLACES ± 0.13	CHK'D BY		DATE						
= 0			1 PLACE ± 0.25	PSYTSMA		2014/04/23		PRODUCT CUSTOMER DRAWING				
= 0			0 PLACES ±	APPR BY		DATE						
= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHIRSCHY		2014/04/30		SERIES	MATERIAL NUMBER	CUSTOMER	
= 0					DRAWING SIZE	THIRD ANGLE PROJECTION		100225		GENERAL MARKET		
			F	REV	B			DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	
						SD-100225-0100	PSD	001	1 OF 1			