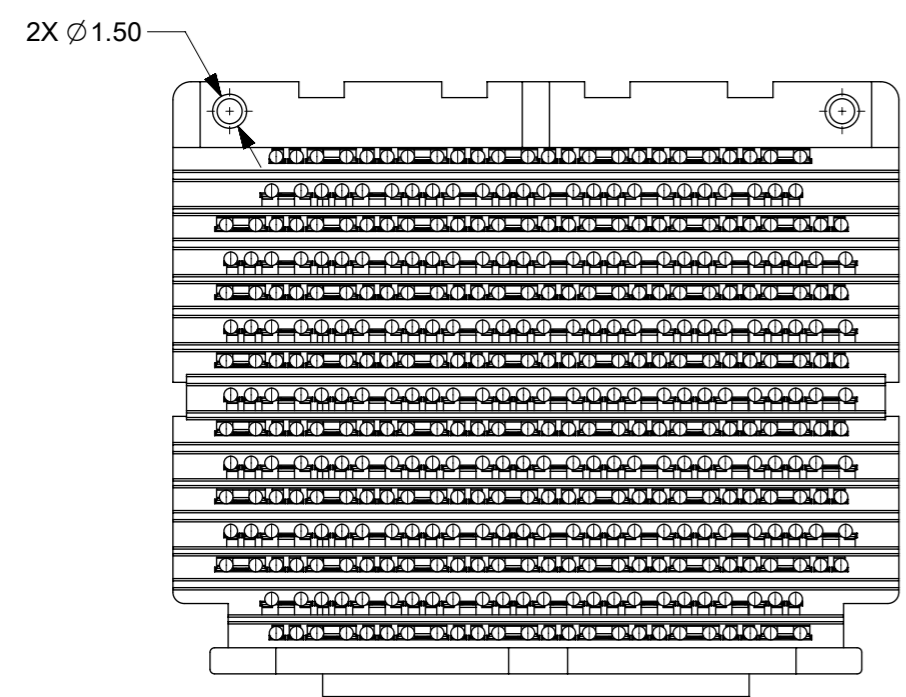
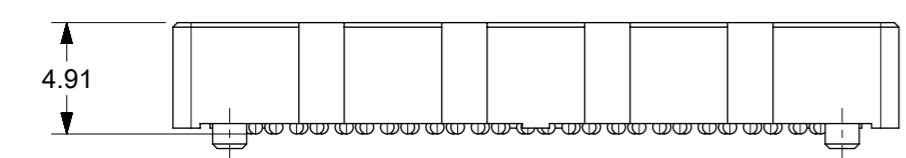
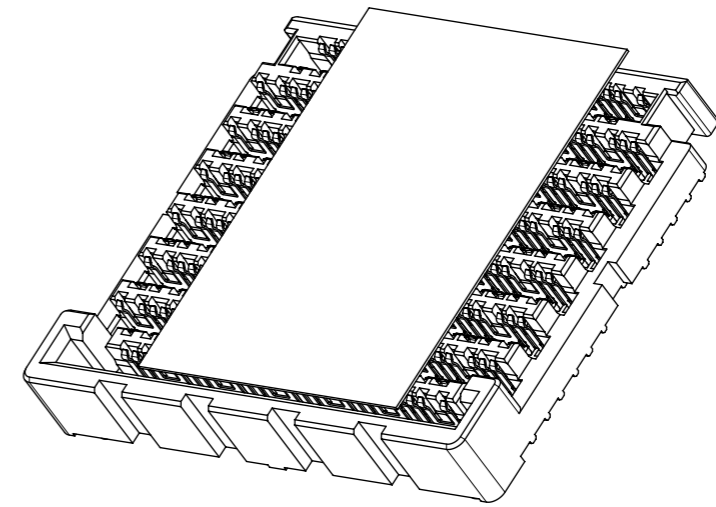
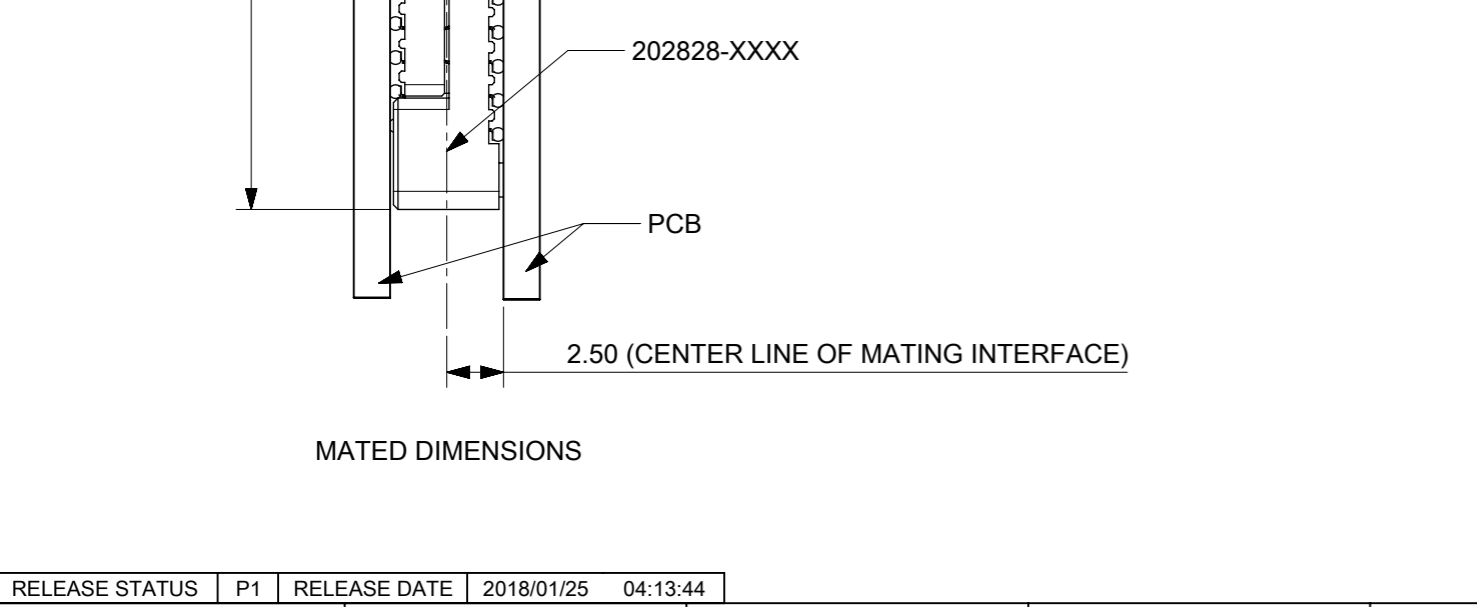
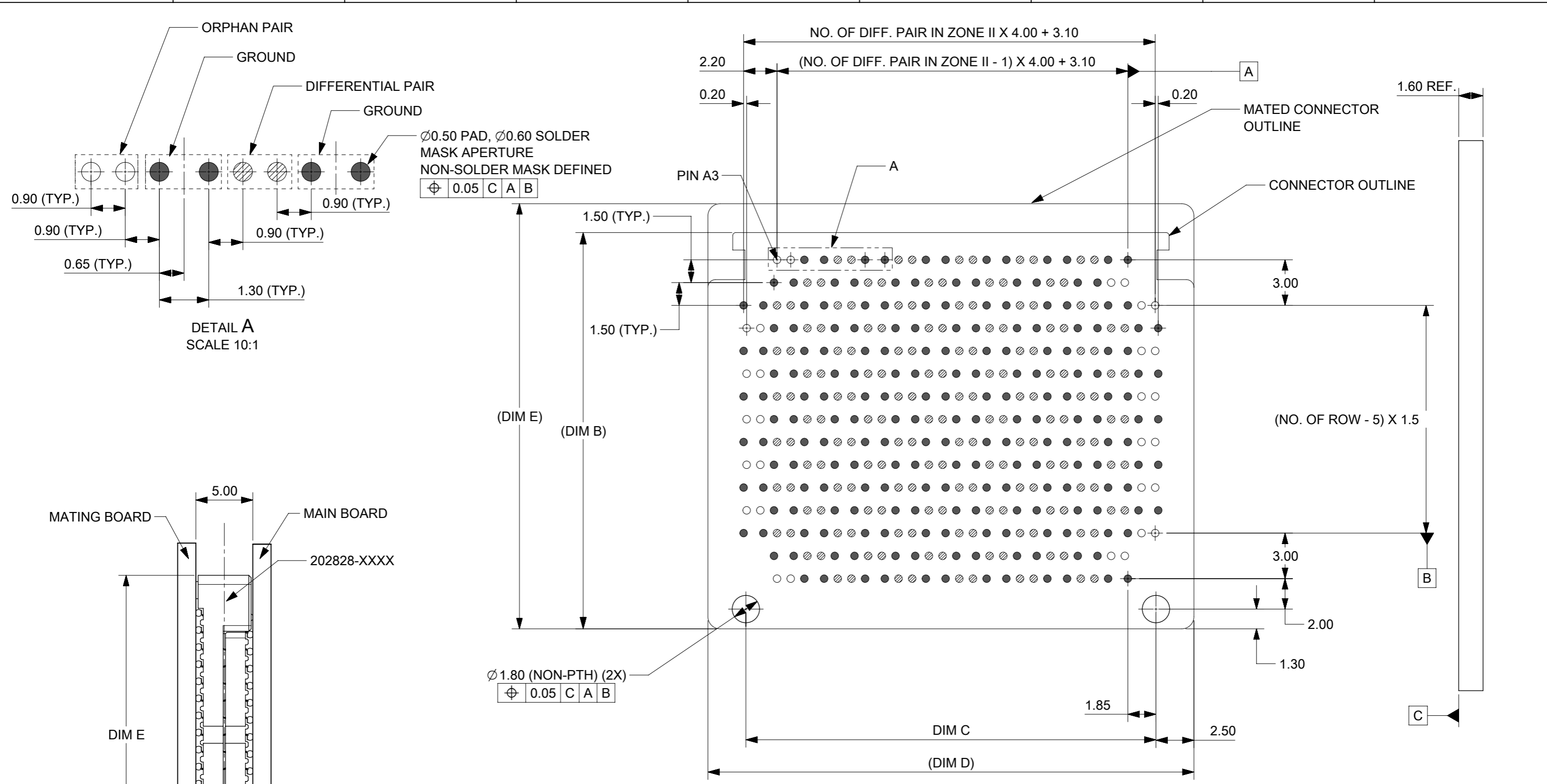


- NOTES:
1. MATERIALS: HOUSING - HIGH TEMPERATURE THERMOPLASTIC, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
SOLDER BALL - LEAD FREE SAC SOLDER ALLOY
 2. FINISH: 30μ" GOLD ON ALL CONTACT AREA.
50μ" MIN. NICKEL OVERALL.
 3. PRODUCT SPECIFICATION: 2028280001 PS.
 4. PACKAGING SPECIFICATION: 202828XXXX.
 5. SEE SHEET 2 FOR PCB LAYOUT.
 6. REFER TO PCB LAYOUT FOR THE POSITION OF DIFFERENTIAL PAIR AND ORPHAN PAIR, AND REFER TO AS-XXXXX-XXXX FOR MORE DETAILS.
 7. FOR ILLUSTRATION PURPOSES, CONNECTOR USED IN THIS DRAWING IS 202828-1506, 6 DIFFERENTIAL PAIR (IN ZONE II) X 15 ROW.
 8. FOR ILLUSTRATION PURPOSES, PIN MAPPINGS OF 202828-1506/1110/0504/2510 ARE SHOWN IN SHEET 4&5.



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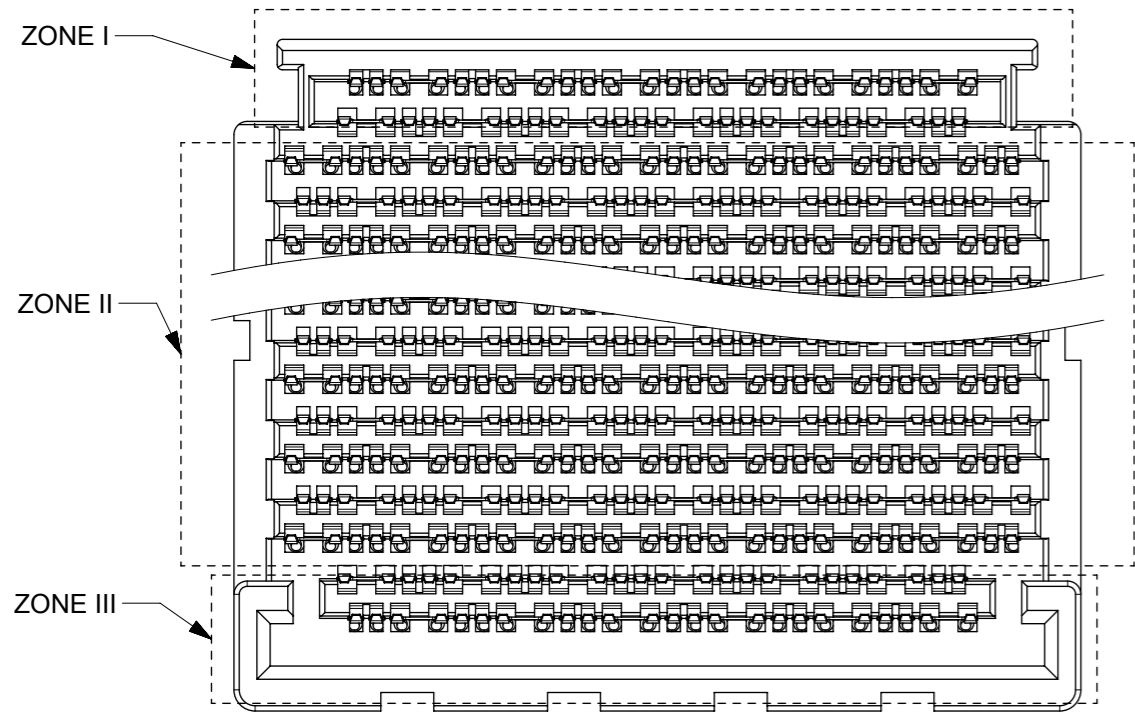
EC NO: 171195 DRWN: HCGOH CHK'D: NZENG APPR: SHONG	2018/01/23	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS	SCALE					
	2018/01/23		mm	NTS					
	2018/01/25			DRWN BY	DATE	MIRROR MEZZ, 2.5MM HEIGHT			
				HCGOH	2017/03/02				
				CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING			
		NZENG	2017/04/20						
		APPR BY	DATE	SERIES: 202828 MATERIAL NUMBER: CUSTOMER: GENERAL MARKET					
		SHONG	2018/01/19						
		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER: 2028280002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 1 OF 5					
		A3							



RECOMMENDED PCB LAYOUT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
EC NO: 171195 DRWN: HCGOH CHK'D: NZENG APPR: SHONG	2018/01/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
	2018/01/23	ANGULAR TOL ± °		mm	NTS				
	2018/01/25	4 PLACES	±	DRWN BY	DATE	MIRROR MEZZ, 2.5MM HEIGHT			
		3 PLACES	±	HCGOH	2017/03/02				
		2 PLACES	± 0.2	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING			
	1 PLACE	±	NZENG	2017/04/20					
	0 PLACES	±	APPR BY	DATE	SERIES: 202828 MATERIAL NUMBER: CUSTOMER: GENERAL MARKET				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHONG	2018/01/19					
			DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER: 2028280002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 2 OF 5				
			A3						

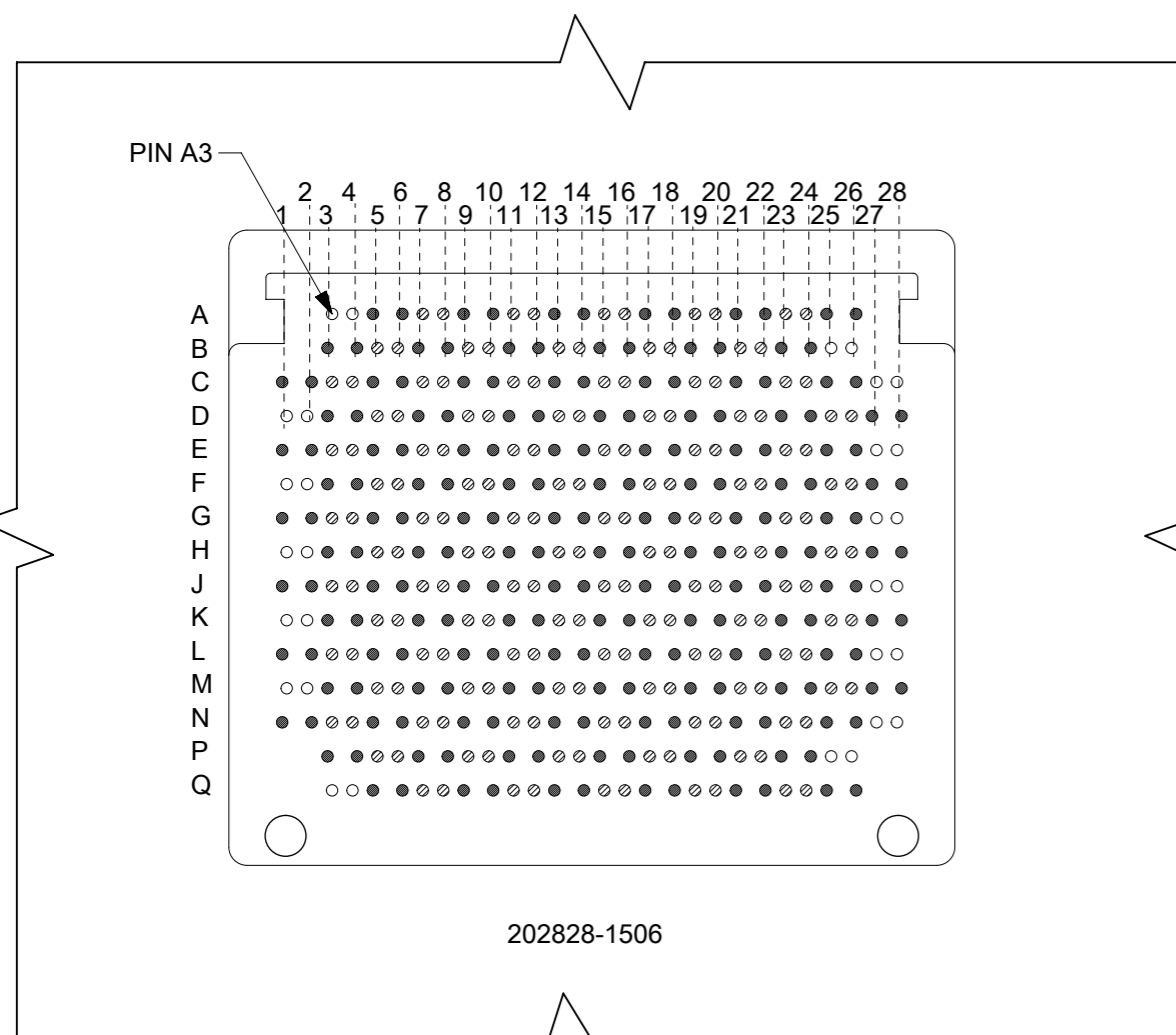
MATERIAL NO.	NO. OF ROW (ZONE I, II & III)	NO. OF DIFFERENTIAL PAIR PER ROW IN ZONE II (EXCLUDING ORPHAN PAIR)	NO. OF DIFFERENTIAL PAIR PER ROW IN ZONE I & III (EXCLUDING ORPHAN PAIR)	TOTAL NO. OF DIFFERENTIAL PAIR (EXCLUDING ORPHAN PAIR)	TOTAL NO. OF ORPHAN PAIR	TOTAL NO. OF S. BALL	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
202828-0504	05	04	03	16	05	84	24.00	11.10	19.0	24.0	13.00	9.6	2.6
202828-0506		06	05	26		124	32.00		27.0	32.0			6.6
202828-0508		08	07	36		164	40.00		35.0	40.0			10.6
202828-0510		10	09	46		204	48.00		43.0	48.0			14.6
202828-0704	07	04	03	24	07	124	24.00	14.10	19.0	24.0	16.00	12.6	2.6
202828-0706		06	05	38		180	32.00		27.0	32.0			6.6
202828-0708		08	07	52		236	40.00		35.0	40.0			10.6
202828-0710		10	09	66		292	48.00		43.0	48.0			14.6
202828-1104	11	04	03	40	11	204	24.00	20.10	19.0	24.0	22.00	18.6	2.6
202828-1106		06	05	62		292	32.00		27.0	32.0			6.6
202828-1108		08	07	84		380	40.00		35.0	40.0			10.6
202828-1110		10	09	106		468	48.00		43.0	48.0			14.6
202828-1504	15	04	03	56	15	284	24.00	26.10	19.0	24.0	28.00	24.6	2.6
202828-1506		06	05	86		404	32.00		27.0	32.0			6.6
202828-1508		08	07	116		524	40.00		35.0	40.0			10.6
202828-1510		10	09	146		644	48.00		43.0	48.0			14.6
202828-2504	25	04	03	96	25	484	24.00	41.10	19.0	24.0	43.00	39.6	2.6
202828-2506		06	05	146		684	32.00		27.0	32.0			6.6
202828-2508		08	07	196		884	40.00		35.0	40.0			10.6
202828-2510		10	09	246		1084	48.00		43.0	48.0			14.6



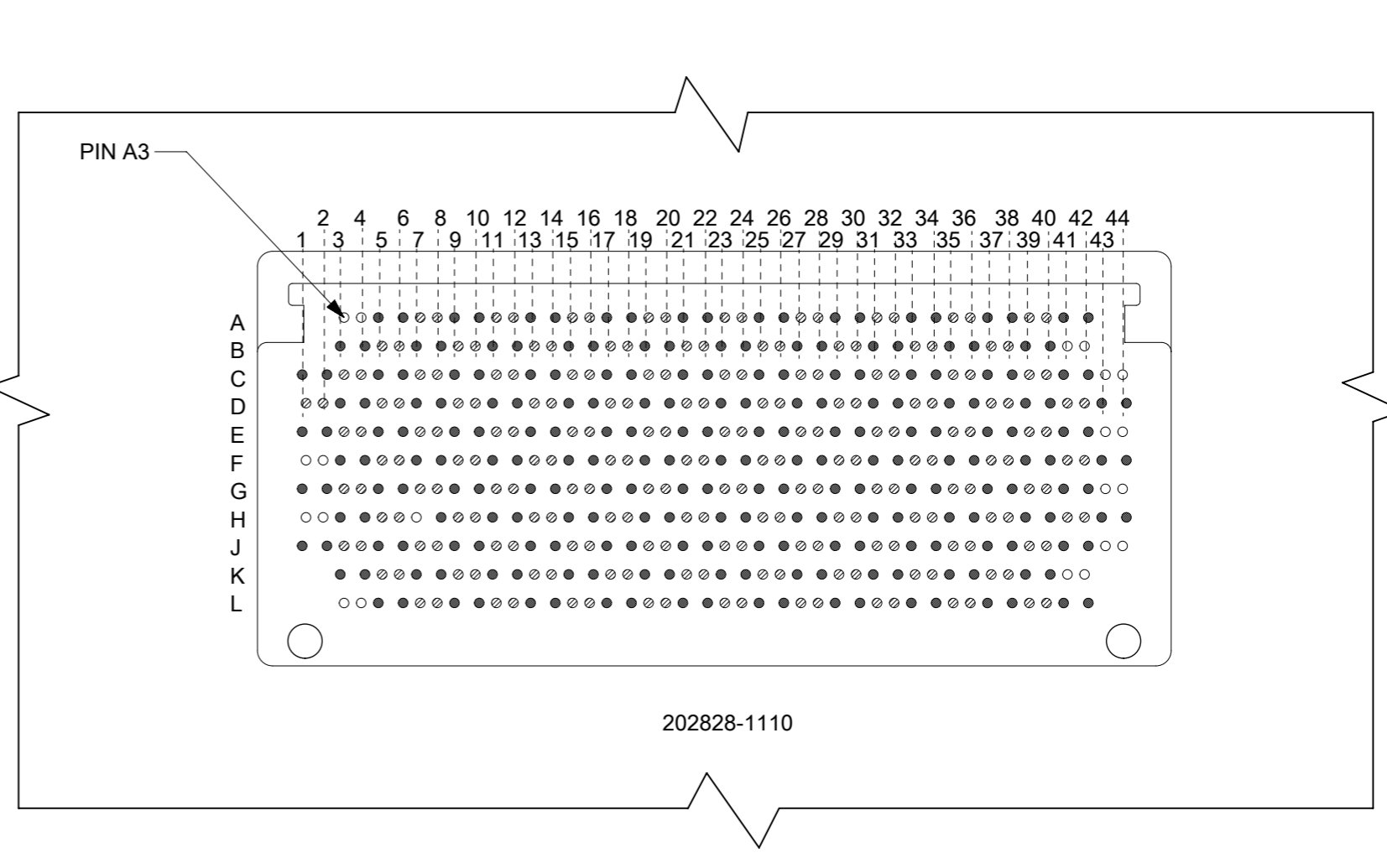
ABOVE CONFIGURATION SHOWN FOR ILLUSTRATION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 171195 DRWN: HCGOH CHK'D: NZENG APPR: SHONG	2018/01/23 2018/01/23 2018/01/25	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °	DIMENSION UNITS: mm SCALE: NTS		
	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACE ± 0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWN BY: HCGOH DATE: 2017/03/02		MIRROR MEZZ, 2.5MM HEIGHT
			CHK'D BY: NZENG DATE: 2017/04/20		PRODUCT CUSTOMER DRAWING
			APPR BY: SHONG DATE: 2018/01/19		SERIES: 202828 MATERIAL NUMBER: [blank] CUSTOMER: GENERAL MARKET
			DRAWING SIZE: A3 THIRD ANGLE PROJECTION		DOCUMENT NUMBER: 2028280002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 3 OF 5



202828-1506



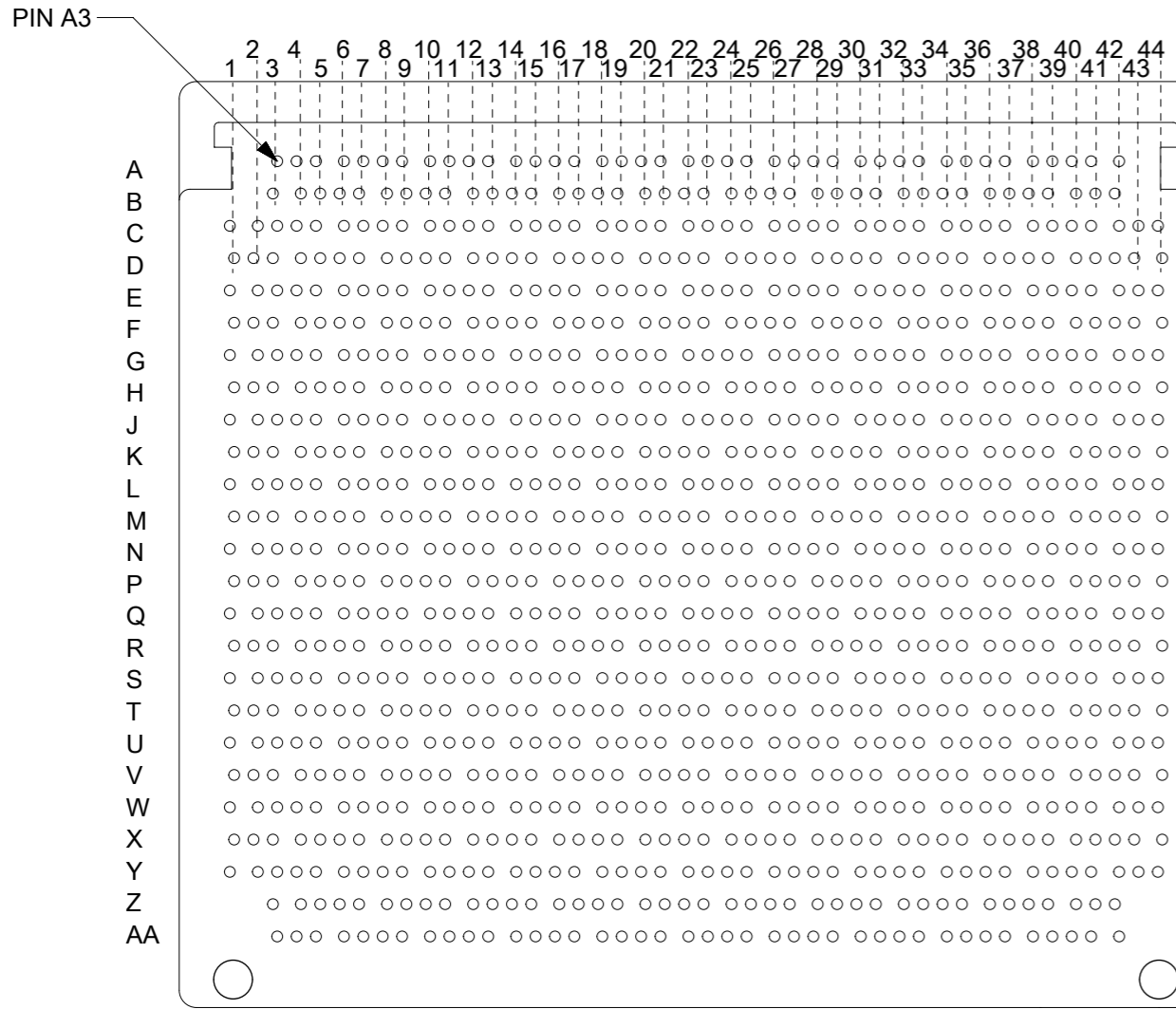
202828-1110

202828-1506 PIN MAPPING (MAIN BOARD-MATING BOARD)								
/	/	A3-Q3	A4-Q4	...	A25-Q25	A26-Q26	/	/
/	/	B3-P3	B4-P4	...	B25-P25	B26-P26	/	/
C1-N1	C2-N2	C3-N3	C4-N4	...	C25-N25	C26-N26	C27-N27	C28-N28
D1-M1	D2-M2	D3-M3	D4-M4	...	D25-M25	D26-M26	D27-M27	D28-M28
E1-L1	E2-L2	E3-L3	E4-L4	...	E25-L25	E26-L26	E27-L27	E28-L28
F1-K1	F2-K2	F3-K3	F4-K4	...	F25-K25	F26-K26	F27-K27	F28-K28
G1-J1	G2-J2	G3-J3	G4-J4	...	G25-J25	G26-J26	G27-J27	G28-J28
H1-H1	H2-H2	H3-H3	H4-H4	...	H25-H25	H26-H26	H27-H27	H28-H28
J1-G1	J2-G2	J3-G3	J4-G4	...	J25-G25	J26-G26	J27-G27	J28-G28
K1-F1	K2-F2	K3-F3	K4-F4	...	K25-F25	K26-F26	K27-F27	K28-F28
L1-E1	L2-E2	L3-E3	L4-E4	...	L25-E25	L26-E26	L27-E27	L28-E28
M1-D1	M2-D2	M3-D3	M4-D4	...	M25-D25	M26-D26	M27-D27	M28-D28
N1-C1	N2-C2	N3-C3	N4-C4	...	N25-C25	N26-C26	N27-C27	N28-C28
/	/	P3-B3	P4-B4	...	P25-B25	P26-B26	/	/
/	/	Q3-A3	Q4-A4	...	Q25-A25	Q26-A26	/	/

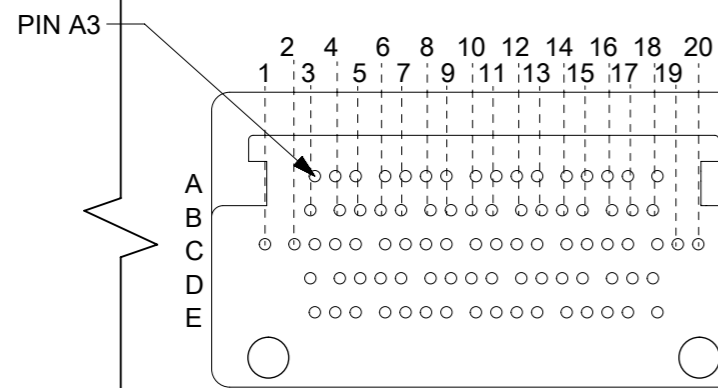
202828-1110 PIN MAPPING (MAIN BOARD-MATING BOARD)								
/	/	A3-L3	A4-L4	...	A41-L41	A42-L42	/	/
/	/	B3-K3	B4-K4	...	B41-K41	B42-K42	/	/
C1-J1	C2-J2	C3-J3	C4-J4	...	C41-J41	C42-J42	C43-J43	C44-J44
D1-H1	D2-H2	D3-H3	D4-H4	...	D41-H41	D42-H42	D43-H43	D44-H44
E1-G1	E2-G2	E3-G3	E4-G4	...	E41-G41	E42-G42	E43-G43	E44-G44
F1-F1	F2-F2	F3-F3	F4-F4	...	F41-F41	F42-F42	F43-F43	F44-F44
G1-E1	G2-E2	G3-E3	G4-E4	...	G41-E41	G42-E42	G43-E43	G44-E44
H1-D1	H2-D2	H3-D3	H4-D4	...	H41-D41	H42-D42	H43-D43	H44-D44
J1-C1	J2-C2	J3-C3	J4-C4	...	J41-C41	J42-C42	J43-C43	J44-C44
/	/	K3-B3	K4-B4	...	K41-B41	K42-B42	/	/
/	/	L3-A3	L4-A4	...	L41-A41	L42-A42	/	/

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EC NO: 171195 DRWN: HCGOH CHK'D: NZENG APPR: SHONG	2018/01/23 2018/01/23 2018/01/25	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACE ± 0 PLACES ±	DIMENSION UNITS: mm SCALE: NTS DRWN BY: HCGOH DATE: 2017/03/02 CHK'D BY: NZENG DATE: 2017/04/20 APPR BY: SHONG DATE: 2018/01/19	<p>MIRROR MEZZ, 2.5MM HEIGHT</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>SERIES: 202828 MATERIAL NUMBER: CUSTOMER: GENERAL MARKET</p> <p>DOCUMENT NUMBER: 2028280002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 4 OF 5</p>
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE: A3 THIRD ANGLE PROJECTION		



202828-2510



202828-0504

202828-2510 PIN MAPPING
(MAIN BOARD-MATING BOARD)

/	/	A3-AA3	A4-AA4	...	A41-AA41	A42-AA42	/	/
/	/	B3-Z3	B4-Z4	...	B41-Z41	B42-Z42	/	/
C1-Y1	C2-Y2	C3-Y3	C4-Y4	...	C41-Y41	C42-Y42	C43-Y43	C44-Y44
D1-X1	D2-X2	D3-X3	D4-X4	...	D41-X41	D42-X42	D43-X43	D44-X44
E1-W1	E2-W2	E3-W3	E4-W4	...	E41-W41	E42-W42	E43-W43	E44-W44
F1-V1	F2-V2	F3-V3	F4-V4	...	F41-V41	F42-V42	F43-V43	F44-V44
G1-U1	G2-U2	G3-U3	G4-U4	...	G41-U41	G42-U42	G43-U43	G44-U44
H1-T1	H2-T2	H3-T3	H4-T4	...	H41-T41	H42-T42	H43-T43	H44-T44
J1-S1	J2-S2	J3-S3	J4-S4	...	J41-S41	J42-S42	J43-S43	J44-S44
K1-R1	K2-R2	K3-R3	K4-R4	...	K41-R41	K42-R42	K43-R43	K44-R44
L1-Q1	L2-Q2	L3-Q3	L4-Q4	...	L41-Q41	L42-Q42	L43-Q43	L44-Q44
M1-P1	M2-P2	M3-P3	M4-P4	...	M41-P41	M42-P42	M43-P43	M44-P44
N1-N1	N2-N2	N3-N3	N4-N4	...	N41-N41	N42-N42	N43-N43	N44-N44
P1-M1	P2-M2	P3-M3	P4-M4	...	P41-M41	P42-M42	P43-M43	P44-M44
Q1-L1	Q2-L2	Q3-L3	Q4-L4	...	Q41-L41	Q42-L42	Q43-L43	Q44-L44
R1-K1	R2-K2	R3-K3	R4-K4	...	R41-K41	R42-K42	R43-K43	R44-K44
S1-J1	S2-J2	S3-J3	S4-J4	...	S41-J41	S42-J42	S43-J43	S44-J44
T1-H1	T2-H2	T3-H3	T4-H4	...	T41-H41	T42-H42	T43-H43	T44-H44
U1-G1	U2-G2	U3-G3	U4-G4	...	U41-G41	U42-G42	U43-G43	U44-G44
V1-F1	V2-F2	V3-F3	V4-F4	...	V41-F41	V42-F42	V43-F43	V44-F44
W1-E1	W2-E2	W3-E3	W4-E4	...	W41-E41	W42-E42	W43-E43	W44-E44
X1-D1	X2-D2	X3-D3	X4-D4	...	X41-D41	X42-D42	X43-D43	X44-D44
Y1-C1	Y2-C2	Y3-C3	Y4-C4	...	Y41-C41	Y42-C42	Y43-C43	Y44-C44
/	/	Z3-B3	Z4-B4	...	Z41-B41	Z42-B42	/	/
/	/	AA3-A3	AA4-A4	...	AA41-A41	AA42-A42	/	/

202828-0504 PIN MAPPING
(MAIN BOARD- MATING BOARD)

/	/	A3-E3	A4-E4	...	A17-E17	A18-E18	/	/
/	/	B3-D3	B4-D4	...	B17-D17	B18-D18	/	/
C1-C1	C2-C2	C3-C3	C4-C4	...	C17-C17	C18-C18	C19-C19	C20-C20
/	/	D3-B3	D4-B4	...	D17-B17	D18-B18	/	/
/	/	E3-A3	E4-A4	...	E17-A17	E18-A18	/	/

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EC NO: 171195 DRWN: HCGOH CHK'D: NZENG APPR: SHONG	2018/01/23 2018/01/23 2018/01/25	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACE ± 0 PLACES ±	DIMENSION UNITS: mm SCALE: NTS DRWN BY: HCGOH DATE: 2017/03/02 CHK'D BY: NZENG DATE: 2017/04/20 APPR BY: SHONG DATE: 2018/01/19	<p>MIRROR MEZZ, 2.5MM HEIGHT</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>SERIES: 202828 MATERIAL NUMBER: [blank] CUSTOMER: GENERAL MARKET</p> <p>DOCUMENT NUMBER: 2028280002 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 5 OF 5</p>
	A1	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE: A3 THIRD ANGLE PROJECTION	