

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X001XXXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
001=Plug Female
90° Angled

Cable type: See Table

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

OPTIONS

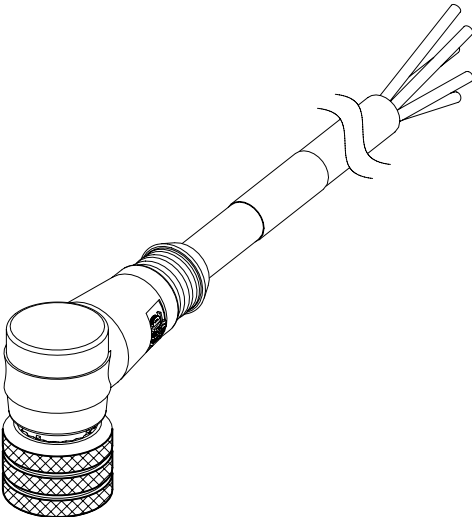
H= 2 pcs. of I/D Carrier
PVC Transparent
(Cables lxx & P82 always
with 2 pcs. of I/D Carrier
even if no H in
Engineering No.)

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables A09,S19,S20,S26
Blank=Yellow TPE-E for cables K03,K05
A=Grey / G=Black / Y=Yellow
Blank=Yellow PVC for cable E13
Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

COUPLING NUTS

CABLE INFORMATION(for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
A09	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661	I/II A/B 90°C/300V	-	-	-	-
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H12	4	0.50mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-50°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000, Temp max 60°C	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I02	3 / 4 / 8	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I04	4	0.50mm²	PVC CEI GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	5	18 AMG	TPE YELLOW	PLTC 105C E470965	I/II A/B 90°C/300V	-	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P12	3 / 5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P19	8	0.25mm²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	2 000 000 cycles, 15xO.D.	YES
P20	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	-	-	-30°C to +80°C	-	-	YES
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
S19	8	0.25mm²	PVC YELLOW	UL 2661/1569	C22.2 II A 105°C/300V	-30°C to +105°C, 10xO.D.	-15°C to +105°C, 15xO.D.	-	YES
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
S26	5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES



SCALE 1:1

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

FUNCTIONAL SYMBOLS

DIVISIONAL SYMBOLS

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

CURRENT REV DESC: ADDED NEW PNS

EC NO: 695290
DRWN: MDHARMANTI
CHK'D: RSILLER
APPR: RSILLER

2021/11/30
2022/02/11
2022/02/11

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/01/11
2016/04/08

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

molex

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A10

SEE PART LIST

GENERAL MARKET

2 OF 5

10	9	8	7	6	5	4	3	2	1											
PART LIST																				
F	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length
	1	1200060007	803001E03M020	2m	36	1200060507	804001I03M100	10m	71	1200063340	803001P03M025	2.5m	106	1200651797	808001E52M020	2m	107	1200652147	804001P03M040	4m
	2	1200060008	803001E03M050	5m	37	1200060508	804001I03M150	15m	72	1200063386	805001P82M0507	5m	108	1200652147	804001P03M040	4m	109	1200655071	805001P82M0207	2m
	3	1200060009	803001E03M100	10m	38	1200060510	804001P03M030	3m	73	1200063532	804001I03M0505	5m	110	1200655050	803001E52M050	5m	111	1200655071	805001P82M0207	2m
	4	1200060010	803001I03M050	5m	39	1200060516	804001P03M150	15m	74	1200063563	804001I04M030G	3m	112	1200656064	805001E03M0271	2.7m	113	1200656065	808001E02M0601	6m
	5	1200060011	803001P03M020	2m	40	1200060517	804001P03M200	20m	75	1200063564	805001I26M100	10m	114	1200656065	808001E02M0601	6m	115	1200656216	808001E02M200	20m
	6	1200060012	803001P03M050	5m	41	120006052	805001E03M020	2m	76	1200063645	803001E13M100	10m	116	1200656216	808001E02M200	20m	117	1200656382	808001P02M400	40m
	7	1200060013	803001P03M100	10m	42	1200060654	805001E03M050	5m	77	1200063682	803001P82M0207	2m	118	1200656382	808001P02M400	40m	119	1200656595	804001E02M0501	5m
	8	1200060021	804001E03M020	2m	43	1200060655	805001E03M0501	✱5m	78	1200063754	808001P02M0501A	5m	120	1200656595	804001E02M0501	5m	121	1200658010	804001H09M050H	5m
	9	1200060022	804001E03M050	5m	44	1200060657	805001E03M100	10m	79	1200063825	805001I03M050G	5m	122	1200658010	804001H09M050H	10m	123	1200658071	804001E03M050H	5m
E	10	1200060023	804001E03M100	10m	45	1200060663	805001P03M020	2m	80	1200064134	804001E52M050	5m	124	1200658071	804001E03M050H	5m	125	1200658089	805001P12M020	2m
	11	1200060024	804001P03M020	2m	46	1200060664	805001P03M100	10m	81	1200064174	804001E03M5005	50m	126	1200658185	804001H09M150G	15m	127	1200658193	804001H09M050	5m
	12	1200060025	804001P03M050	5m	47	1200061336	804001E03M0205	2m	82	1200064210	803001I03M051	5.1m	128	1200658194	804001H09M100	10m	129	1200658234	803001E03M0501	✱5m
	13	1200060042	804001I03M050	5m	48	1200061538	803001E03M051	5.1m	83	1200064244	804001I03M040	4m	130	1200658234	803001E03M0501	✱5m	131	1200658245	808001H08M050	5m
	14	1200060043	804001P82M0507	5m	49	1200061552	803001E03M066	6.6m	84	1200064289	804001P03M400	40m	132	1200658245	808001H08M050	5m	133	1200658261	808001E02M050	5m
	15	1200060175	803001E03M010	1m	50	1200061553	803001E03M058	5.8m	85	1200064350	804001P03M120	12m	134	1200658261						

FORMAT: master thread-A3 REVISION: J	9	8
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4	3	2	1
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PART LIST

No.	Part No.	Engineering No.	Cable Length
141	1200658541	804001E03M070	7m
142	1200658564	803001E03M040	4m
143	1200658573	805001E03M010	1m
144	1200658574	805001E03M030	3m
145	1200658575	805001E03M040	4m
146	1200658585	808001E02M010	1m
147	1200658586	808001E02M020	2m
148	1200658587	808001E02M030	3m
149	1200658589	808001E02M100	10m
150	1200658594	803001I03M040	4m
151	1200658607	805001I03M030	3m
152	1200658608	805001I03M040	4m
153	1200658619	808001P02M010	1m
154	1200658649	808001H08M020	2m
155	1200658652	808001H08M100	10m
156	1200658664	805001H09M010	1m
157	1200658666	805001H09M030	3m
158	1200658668	804001H09M010	1m
159	1200658670	804001H09M030	3m
160	1200658683	808001I02M010	1m
161	1200658684	808001I02M020	2m
162	1200658685	808001I02M030	3m
163	1200658686	808001I02M040	4m
164	1200658687	808001I02M050	5m
165	1200658688	808001I02M100	10m
166	1200658707	804001I03M010G	1m
167	1200658708	804001I03M020G	2m
168	1200658709	804001I03M030G	3m
169	1200658710	804001I03M040G	4m
170	1200658711	804001I03M050G	5m
171	1200658712	804001I03M100G	10m
172	1200658713	803001H09M010	1m
173	1200658715	803001H09M020	2m
174	1200658718	803001H09M050	5m
175	1200658719	803001H09M100	10m

No.	Part No.	Engineering No.	Cable Length
176	1200658931	808001E02M150	15m
177	1200658932	808001E02M250	25m
178	1200658933	805001P12M050	5m
179	1200658934	805001P12M100	10m
180	1200658992	804001P03M050H	5m
181	1200659032	804001E02M050	5m
182	1200659033	804001E02M100	10m
183	1200659039	804001E02M070	7m
184	1200659048	804001E02M1001	10m
185	1200659068	804001I03M050Y	5m
186	1200659069	804001P82M0507Y	5m
187	1200659078	804001I03M100Y	10m
188	1200659084	805001I26M050Y	5m
189	1200659086	804001P82M1007Y	10m
190	1200659095	804001H09M050HY	5m
191	1200659112	804001H12M050	5m
192	1200659117	805001I26M100Y	10m
193	1200659118	803001I03M050Y	5m
194	1200659120	803001I03M030Y	3m
195	1200659121	803001I03M100Y	10m
196	1200659124	804001H09M100HY	10m
197	1200659140	805001H09M200	20m
198	1200659147	805001E03M200	20m
199	1200659160	804001I03M020Y	2m
200	1200659164	804001E03M025	2.5m
201	1200659168	803001I03M025Y	2.5m
202	1200659173	803001E03M050H	5m
203	1200659181	803001E03M100H	10m
204	1200659182	804001E03M020H	2m
205	1200659235	803001E03M300	30m
206	1200659251	804001H12M010	1m
207	1200659252	804001H12M030	3m
208	1200659266	804001P03M020Y	2m
209	1200659270	804001H12M100	10m
210	1200659342	804001P03M1501	15m

No.	Part No.	Engineering No.	Cable Length
211	1200659343	804001P03M2501	25m
212	1200659361	804001I03M030Y	3m
213	1200659373	803001E02M030	3m
214	1200659398	808001P02M100Y	10m
215	1200659592	805001E03M080	8m
216	1200659637	808001E02M1001	10m
217	1200659771	804001H12M1009	10m
218	1200659772	804001H12M0309	3m
219	1200659773	804001H12M0509	5m
220	1200659775	803001P03M050HY	5m
221	1200668648	804001P82M0207Y	2m
222	1200658588	808001E02M040	4m
223	1200060482	804001E03M040	4m
224	1200061540	803001E03M033	3.3m
225	1200061541	803001E03M022	2.2m
226	1200061542	803001E03M011	1.1m
227	1200063648	804001E03M2001	20m
228	1200064145	804001E03M3001	30m
229	1200064402	804001E03M005	0.5m
230	1200658884	804001E03M100H	10m
231	1200658898	804001E03M150H	15m
232	1200659352	805001E03M1001	10m
233	1200659353	805001E03M2501	25m
234	1200659502	805001E03M005	0.5m
235	1200658647	808001H08M010	1m
236	1200658648	808001H08M015	1.5m
237	1200658650	808001H08M030	3m
238	1200658651	808001H08M040	4m
239	1200658196	804001H09M200	20m
240	1200658665	805001H09M015	1.5m
241	1200658667	805001H09M040	4m
242	1200658669	804001H09M015	1.5m
243	1200658671	804001H09M040	4m
244	1200658714	803001H09M015	1.5m
245	1200658716	803001H09M030	3m

No.	Part No.	Engineering No.	Cable Length
246	1200658717	803001H09M040	4m
247	1200659675	804001H09M220	22m
248	1200658620	808001P02M030	3m
249	1200061318	803001P03M010	1m
250	1200063405	804001P03M003	0.3m
251	1200063793	804001P03M140	14m
252	1200652156	805001P03M060	6m
253	1200656575	805001P03M300	30m
254	1200658184	805001P03M040	4m
255	1200658206	804001P03M060	6m
256	1200658311	803001P03M200	20m
257	1200658312	803001P03M300	30m
258	1200658611	803001P03M040	4m
259	1200658617	805001P03M010	1m
260	1200658627	805001P03M030	3m
261	1200651639	804001K05M020	2m
262	1200651640	804001K05M030	3m
263	1200651628	804001K03M050	5m
264	1200651634	804001K03M100	10m
265	1200651720	805001K03M020	2m
266	1200651722	805001K03M050	5m
267	1200652155	805001K03M100	10m
268	1200658783	804001E03M060	6m
269	1200651556	804001A09M0408	4m
270	1200651557	804001A09M0402	4m
271	1200651558	804001A09M050	5m
272	1200651559	804001A09M0508	5m
273	1200651560	804001A09M0502	5m
274	1200651562	804001A09M060	6m
275	1200651563	804001A09M0608	6m
276	1200651564	804001A09M070	7m
277	1200651565	804001A09M080	8m
278	1200651566	804001A09M090	9m
279	1200651568	804001A09M1008	10m
280	1200651569	804001A09M120	12m

NOTES:
- Part No. with Yellow PVC overmolding

FUNCTIONAL SYMBOLS

√A

=

0

√E

=

0

√F

=

0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

±

1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

±

0.05

1 PLACE

±

0.1

0 PLACES

±

0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120065

CURRENT REV DESC: ADDED NEW PNS

EC NO: 695290

DRWN: MDHARMANTI

CHK'D: RSILLER

APPR: RSILLER

2021/11/30

2022/02/11

2022/02/11

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/11

2016/04/08

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A10

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE PART LIST

GENERAL MARKET

4 OF 5

PART LIST

No.	Part No.	Engineering No.	Cable Length
281	1200651570	804001A09M1208	12m
282	1200651573	804001A09M170	17m
283	1200651574	804001A09M180	18m
284	1200651696	805001A09M005	0.5m
285	1200651697	805001A09M020	2m
286	1200651698	805001A09M0208	2m
287	1200651699	805001A09M0202	2m
288	1200651700	805001A09M040	4m
289	1200651701	805001A09M050	5m
290	1200651702	805001A09M0508	5m
291	1200651703	805001A09M060	6m
292	1200651704	805001A09M070	7m
293	1200651705	805001A09M080	8m
294	1200651706	805001A09M100	10m
295	1200651707	805001A09M1008	10m
296	1200651708	805001A09M1002	10m
297	1200651868	805001A09M0708	7m
298	1200651949	804001A09M0602	6m
299	1200651983	805001A09M030	3m
300	1200651985	803001A09M0202	2m
301	1200652078	804001A09M0302	3m
302	1200652079	805001A09M300	30m
303	1200652111	805001A09M150	15m
304	1200652122	805001A09M0502	5m
305	1200652170	804001A09C2508	0.25m
306	1200652197	805001A09M1508	15m
307	1200652216	804001A09M0708	7m
308	1200652419	804001A09M2008	20m
309	1200652439	804001A09M0108	1m
310	1200659215	805001A09M010	1m
311	1200659216	805001A09M200	20m
312	1202010010	804001A09M250	25m
313	1200060221	803001S20M020	2m
314	1200060222	803001S20M030	3m
315	1200060224	803001S20M050	5m

No.	Part No.	Engineering No.	Cable Length
316	1200659374	804001S20M350	35m
317	1200659774	808001S19M150	15m
318	1200659810	805001S26M200	20m
319	1200060225	803001S20M100	10m
320	1200060527	804001S20M010	1m
321	1200060528	804001S20M020	2m
322	1200060529	804001S20M030	3m
323	1200060531	804001S20M050	5m
324	1200061612	804001S20M030H	3m
325	1200062121	804001S20M060	6m
326	1200062148	804001I20M160	16m
327	1200062160	804001S20M100H	10m
328	1200062374	804001S20M020H	2m
329	1200062502	804001S20M050H	5m
330	1200062589	804001S20M010H	1m
331	1200062919	804001P20M100	10m
332	1200062922	804001P20M050	5m
333	1200063109	804001S20M1001	10m
334	1200063165	805001P20M050	5m
335	1200064184	804001P20M250	25m
336	1200064268	808001S19M100	10m
337	1200064380	804001S20M0201	2m
338	1200064381	804001S20M0501	5m
339	1200064452	804001S20M3001	30m
340	1200064457	803001S20M0501	5m
341	1200650910	804001S20M100	10m
342	1200655008	808001P19M050	5m
343	1200658090	805001S26M100	10m
344	1200658187	804001S20M200	20m
345	1200658203	805001S26M1001	10m
346	1200658276	804001I20M100	10m
347	1200658287	803001I20M100	10m
348	1200658324	804001P20M030	3m
349	1200658328	808001P19M100	10m
350	1200658510	804001S20M2001	20m

No.	Part No.	Engineering No.	Cable Length
351	1200658544	808001P19M250	25m
352	1200658547	803001P20M150	15m
353	1200658875	803001S20M0201G	2m
354	1200659029	804001S20M150	15m
355	1200659114	805001S26M050	5m
356	1200659156	805001S26M2001	20m
357	1200659240	803001P20M100HY	10m
358	1200657238	805001E03M250	25m
359	1200657145	804001P03M006	0.6m
360	1200657146	804001P03M070	7m
361	1200657147	804001P03M080	8m
362	1200657148	804001E03M003	0.3m
363	1200657149	804001E03M006	0.6m
364	1200657150	804001E03M080	8m
365	1200657185	805001E03M015	1.5m
366	1200658573	805001E03M010	1m
367	1200659738	804001P03M015	1.5m
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FUNCTIONAL SYMBOLS

√A

=

0

√E

=

0

√E

=

0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED NEW PNS

EC NO: 695290

DRWN: MDHARMANTI

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2021/11/30

2022/02/11

2022/02/11

2016/01/11

2016/04/08

A3-SIZE

120065

SEE PART LIST

GENERAL MARKET

5 OF 5

moLEX

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

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REVISION

A10