

MS3116-F-24-61P  
(C connector)

PIN	FUNCTION	WIRE
A	STATUS BIT A (R2)	113
B	STATUS BIT B (R2)	114
C	∅8 DW DRIVER	115
D	∅8 RED DRIVER	116
E	∅7 YELLOW DRIVER	117
F	∅7 RED DRIVER	118
G	∅6 RED DRIVER	119
H	∅5 RED DRIVER	120
J	∅5 YELLOW DRIVER	121
K	∅5 PED CLEAR DRIVER	122
L	∅5 DW DRIVER	123
M	∅5 PHASE NEXT	124
N	∅5 PHASE ON	125
P	#5 DETECTOR INPUT	126
R	∅5 PEDESTRIAN CALL	127
S	#6 DETECTOR INPUT	128
T	∅6 PEDESTRIAN CALL	129
U	∅7 PEDESTRIAN CALL	130
V	#7 DETECTOR INPUT	131
W	∅8 PEDESTRIAN CALL	132
X	VEHICLE DETECTOR 16	133
Y	FORCE OFF (R2)	134
Z	STOP TIMING (R2)	135
a	INH MAX TERM (R2)	136
b	TEST C	137
c	STATUS BIT C (R2)	138
d	∅8 WALK DRIVER	139
e	∅8 YELLOW DRIVER	140
f	∅7 GREEN DRIVER	141
g	∅6 GREEN DRIVER	142
h	∅6 YELLOW DRIVER	143
i	∅5 GREEN DRIVER	144
j	∅5 WALK DRIVER	145
k	∅5 CHECK	146
m	VEHICLE DETECTOR 13	147
n	VEHICLE DETECTOR 19	148
p	VEHICLE DETECTOR 14	149
q	VEHICLE DETECTOR 20	150
r	∅7 PHASE OMIT	151
s	∅8 PHASE OMIT	152
t	#8 DETECTOR INPUT	153
u	RED REST MODE (R2)	154
v	OMIT ALL RED CLEAR (R2)	155
w	∅8 PED CLEAR DRIVER	156
x	∅8 GREEN DRIVER	157
y	∅7 DW DRIVER	158
z	∅6 DW DRIVER	159
AA	∅6 PED CLEAR DRIVER	160
BB	∅6 CHECK	161
CC	∅6 PHASE NEXT	162
DD	∅6 PHASE NEXT	163
EE	VEHICLE DETECTOR 15	164
FF	∅8 CHECK	165
GG	∅8 PHASE ON	166
HH	∅8 PHASE NEXT	167
JJ	∅7 WALK DRIVER	168
KK	∅7 PED CLEAR DRIVER	169
LL	∅6 WALK DRIVER	170
MM	∅7 CHECK	171
NN	∅7 PHASE ON	172
PP	∅7 PHASE NEXT	173
	SHELL GROUND	174

MSD-32

MSD-24  
DB-15-3  
MSD-30  
DB-15-4

MSD-31

DEFAULT PIN TO PIN WIRING  
BETWEEN CONNECTORS C & MSC

MS3111-F-24-61S  
(MSC receptacle)

WIRE	PIN	FUNCTION
113	A	STATUS BIT A (R2)
114	B	STATUS BIT B (R2)
115	C	∅8 DW DRIVER
116	D	∅8 RED DRIVER
117	E	∅7 YELLOW DRIVER
118	F	∅7 RED DRIVER
119	G	∅6 RED DRIVER
120	H	∅5 RED DRIVER
121	J	∅5 YELLOW DRIVER
122	K	∅5 PED CLEAR DRIVER
123	L	∅5 DW DRIVER
124	M	∅5 PHASE NEXT
125	N	∅5 PHASE ON
126	P	#5 DETECTOR INPUT
127	R	∅5 PEDESTRIAN CALL
128	S	#6 DETECTOR INPUT
129	T	∅6 PEDESTRIAN CALL
130	U	∅7 PEDESTRIAN CALL
131	V	#7 DETECTOR INPUT
132	W	∅8 PEDESTRIAN CALL
134	Y	FORCE OFF (R2)
135	Z	STOP TIMING (R2)
136	a	INH MAX TERM (R2)
137	b	SPARE 1
138	c	STATUS BIT C (R2)
139	d	∅8 WALK DRIVER
140	e	∅8 YELLOW DRIVER
141	f	∅7 GREEN DRIVER
142	g	∅6 GREEN DRIVER
143	h	∅6 YELLOW DRIVER
144	i	∅5 GREEN DRIVER
145	j	∅5 WALK DRIVER
146	k	∅5 CHECK
151	r	∅7 PHASE OMIT
152	s	∅8 PHASE OMIT
153	t	#8 DETECTOR INPUT
154	u	RED REST MODE (R2)
155	v	OMIT ALL RED CLEAR (R2)
156	w	∅8 PED CLEAR DRIVER
157	x	∅8 GREEN DRIVER
158	y	∅7 DW DRIVER
159	z	∅6 DW DRIVER
160	AA	∅6 PED CLEAR DRIVER
161	BB	∅6 CHECK
162	CC	∅6 PHASE ON
163	DD	∅6 PHASE NEXT
165	FF	∅8 CHECK
166	GG	∅8 PHASE ON
167	HH	∅8 PHASE NEXT
168	JJ	∅7 WALK DRIVER
169	KK	∅7 PED CLEAR DRIVER
170	LL	∅6 WALK DRIVER
171	MM	∅7 CHECK
172	NN	∅7 PHASE ON
173	PP	∅7 PHASE NEXT
174		SHELL GROUND

No.	Revision	Date
	DRAWING ISSUED	DEC03

TRAFFIC CONTROLLER ASSEMBLY  
ADAPTOR HARNESS



BRITISH  
COLUMBIA

Ministry of  
Transportation

SPECIFICATION  
DRAWING No.  
MS1307.2